SINCE 1885

A.M. LEONARD®

HORTICULTURAL TOOL & SUPPLY CO.

2023 | SPRING

MASTER GUIDE

SINCE 1885

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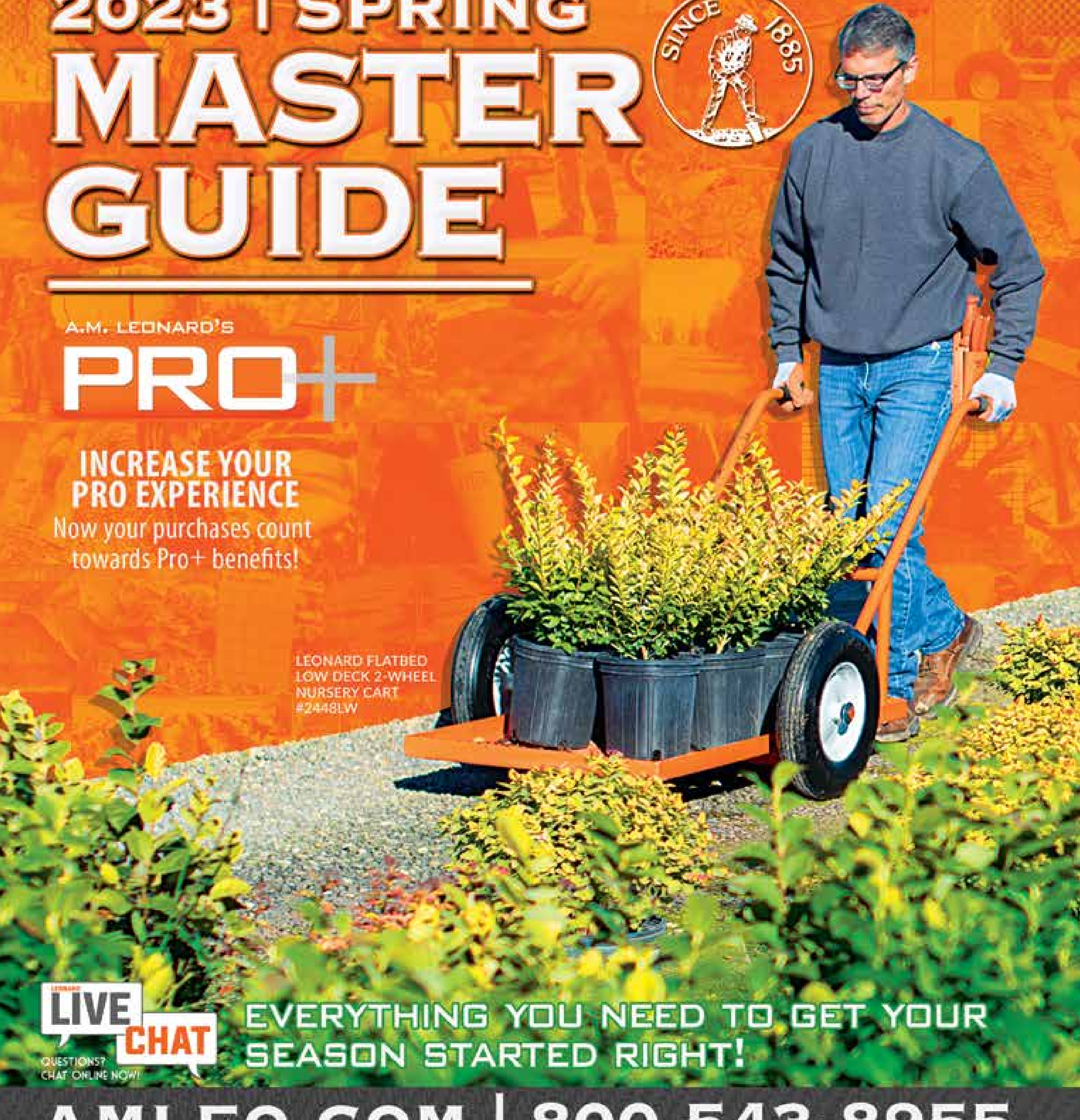

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2301A

To our A.M. Leonard family of new and loyal customers, thank you for your continued support and patronage! We look forward to serving you again this year for all of your tool and supply needs. Let us help take the guess work out of managing your supplies. We have the quality tools and supplies you need to get the job done, delivered right to your doorstep or job site. We are your one-stop shop for everything you need. No more running to the big box stores to buy inferior quality products, wasting fuel and valuable time off the job site. We are one click or call away from delivering you all the items you need at some of the most competitive prices on the market. We are stocked up and ready to help keep your business going with all the supplies you need! Ask about our Pro Plus Program to maximize your savings along with the best customer service in the industry!

– Drew Xavier | Director of National Sales

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SOME OF WHAT'S NEW
FOR SPRING 2023

NEW

FELCO 211-60 BYPASS LOPPING SHEAR 1-3/8" CUTTING CAPACITY

1 3"/8
Capacity

The FELCO 211-60 loppers deliver maximum cutting power with ease ensuring pruning larger diameter branches up close or at height does not feel like hard work. The curved cutting head with a hooked counter blade and variable radius on the blade provide power and precision that cleanly slice through wood with ease. The 23.6" length gives flexibility to cut at different heights and are comfortable to use thanks to the lightweight aluminium handles and the forgiving shock absorbers. Lifetime Warranty. PAGE 15

F211-60	**$96.63**

NEW

PLANT KNIGHT PLANT AND TREE GUARD

Plant Knight protects saplings, new plants, trees and more from weed eaters, garden shears, lawn mowers and animals. The Plant Knight tree guard measures 6" tall and features a breathable, open mesh design to allow ventilation for sun, water and air to reach the plant. Sustainably produced with recycled materials, the Plant Knight is made to withstand years of abuse from industrial outdoor equipment. Available in Green and Black. **Made in the USA!** PAGE 128

Item	Includes	Price
PKBL3	3 Knights, stakes and clips	**$19.95**
PKGR3	3 Knights, stakes and clips	**$19.95**
PKBL9	9 Knights, stakes and clips	**$35.95**
PKGR9	9 Knights, stakes and clips	**$35.95**

NEW

DRAMM COLORSTORM PROFESSIONAL RUBBER HOSE

Durable, flexible and visible! The Dramm ColorStorm Professional Rubber Hose is made from EPDM rubber for a "crackles: hose cover that is resistant to abrasion and weathering. A reinforced hexagonal shape reduces kinking and allows the user to pull free kinks that may occur easier. The Sure-Grip™ cover provides a softer surface for a comfortable grip. Crush-proof, nickel plated, brass fittings for an exact fit that will survive years of use. Bright yellow coloring of the hose calls attention to the hose laying on the ground to prevent trips and easily find. Available in 5/8" and ¾" diameters in 50' and 100' lengths. PAGE 329

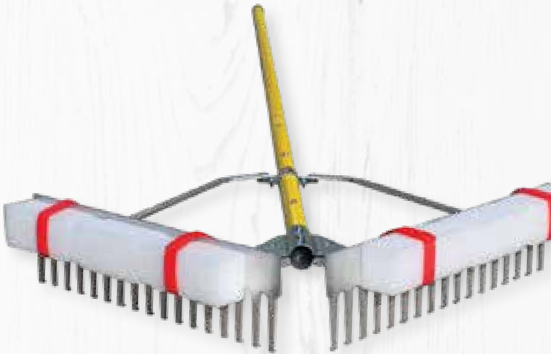
CS580	5/8" x 50'	Ship wt 10 lb	**$77.89**
CS581	5/8" x 100'	Ship wt 20 lb	**$144.78**
CS340	3/4" x 50'	Ship wt 14 lb	**$117.83**
CS341	3/4" x 100'	Ship wt 24 lb	**$192.39**

ECHO eFORCE 56V BATTERY SYSTEM

NEW

ECHO BATTERY POWERED TOOLS

The new generation of battery-powered ECHO eFORCE™ lawn equipment offers significant benefits for both the homeowner and the professional. Among them are long usage times, power for dense tough jobs, quiet operation , easy starts and maneuverability, cost efficiency and simple maintenance. PAGE 186



NEW

RAZER RAKE

The perfect tool for lake and pond surface cleaning, ideal for use with the Weed Razer toolset. Quickly clear the lake surface of floating debris from the shore. This 36" wide rake includes floating attachments that make this tool extremely effective for cleaning the surface of the water. The flotation devices can be removed so the Razer Rake can also be used to groom the lake bed. And the unique design of the rake head collapses for easy storage. The durable aluminum rake head is equipped with a 108" steel handle and includes 25' of rope for retrieving the tool from the lake. Includes 2 floats that attach by 4 straps. Assembly Required. Ship wt. 7lb. PAGE 53

WRZRK	**$149.92**

Prices current as of the date this catalog was published. Prices subject to change without notice. Images not necessarily to scale in relation to each other.

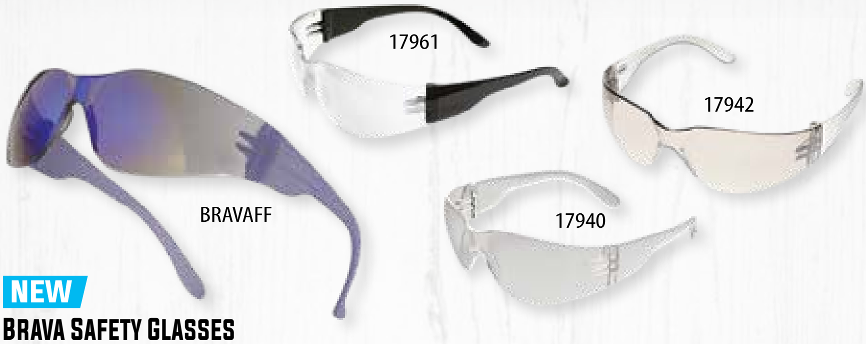
NEW

CORONA FORGED SUPER DUTY LOPPER

Features a 3" cut capacity and 32" length to power through large branches. A great value in a large capacity lopper. Forged Radial Arc bypass alloy steel blades provide high strength and good cut quality. The lopper features robust steel handles that create everage and a spring loaded bumper that softens the cutting impact. 33" overall Length. Ship wt 4.7 lb. PAGE 16

3"
Capacity
CORONA

SL6500 **$59.20**



NEW

BRAVA SAFETY GLASSES

Hard coated polycarbonate single lens glasses with integrated polycarbonate nose piece and soft, flat spatula style arms. Frameless design. Meets the requirements of ANSI Z87.1 - High Impact. PAGE 159

Item	Lens Color	Price
BRAVAFF	Blue Mirror	**$40.89**
17940	Clear	**$15.89**
17942	In/Out Mirror	**$23.89**
17961	Clear	**$20.89**

NEW

SCEPTER® SMARTCONTROL™ FUEL CANS

Make Fueling Equipment a cleaner, safer, better experience! The next generation of durable, easy-to-use fuel cans by Scepter. The SmartControl™ fuel cans now feature a handle on the rear of the can in addition to the traditional top handle. Allowing for more grip, better handling, and less spills. Scepter fuel cans utilize a straight forward spout design with a squeeze controlled flow rate. While the safety lock and flame mitigation device add a layer of protection. PAGE 175

FSCG501	Gas 5 Gal Red	**$29.98**
FR1G201	Gas 2 Gal Red	**$23.93**
FSCD501	Diesel 5 Gal Yellow	**$32.18**
FSCK501	Kerosene 5 Gal Blue	**$32.18**

NEW

CLEANSTRAW PREMIUM PINE STRAW

Swift Straw Premium "Long Leaf" Pine Straw is a decorative landscape beautification product. By compressing pine straw into packaging, one package of CleanStraw is equivalent to more than two loose bales of pine straw. The compressed pine straw expands when opened and spreads easily. One 25 lb package of CleanStraw covers up to 100 sq ft! For over 50 years pine straw has been the prominent ground cover in southern states. PAGE 126

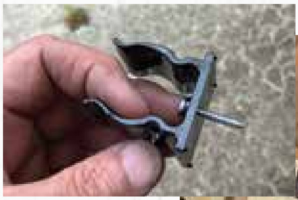
QUICKSTRAW
PREMIUM LONGLEAF PINE STRAW
2x
10x

2001	Single Bale	**$23.31**
2001-40	Bulk Pallet	**$599.99**

NEW

SHOPCLIP COMPOSITE STORAGE CLIPS PACKAGE OF 6

The same heavy duty composite tool clips now available in a screw-in, wall mountable version. Quickly and easily organize your workshop or tool shed. These UV-treated tool clips fit nearly all professional-grade long-handled and D-grip tools. Use to hang or store any object with a diameter of 7/8 to 1-5/8 inches. These simple, low profile clips will help make the most out of any storage space. Sold in a package of 6 clips with two inner clips for smaller diameter handles. This versatile clip includes an insert for smaller diameter handles. Multi-purpose Philips head fasteners are provided . Ship wt. 0.8lb. PAGE 104



SET OF 6

SHOPCLIP **$25.95**

NEW

CONICFIRO EAR PLUGS

Universal size, fits virtually any shape of ear canal. Optimized sealing and noise attenuation. Resistant to ear wax and body oils. Box of 50 pairs. PAGE 172

CONICFIRO500R **$56.00**

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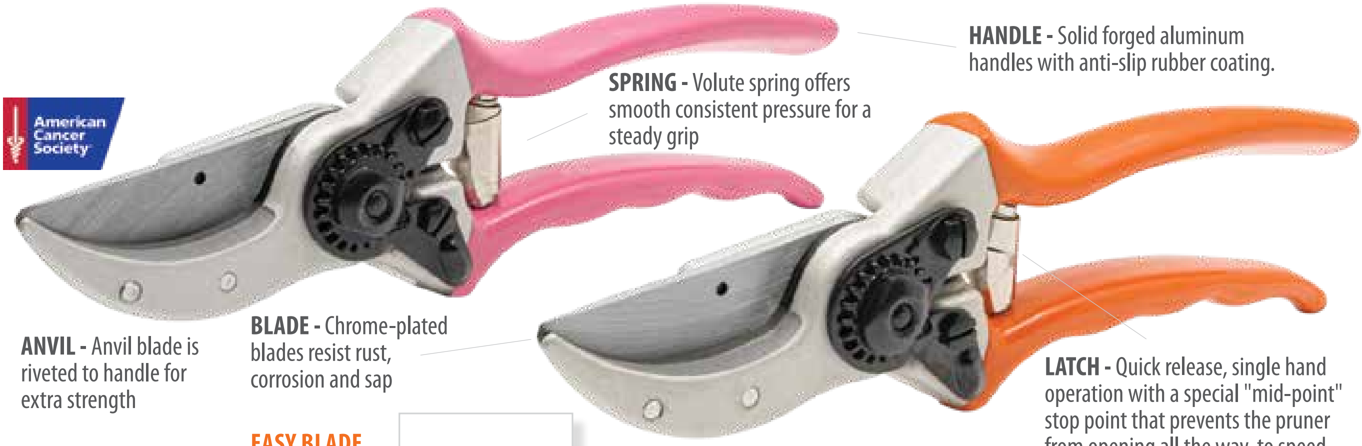
THE 1286

BEST ALL-AROUND PERFORMER



HANDLE - Solid forged aluminum handles with anti-slip rubber coating.

SPRING - Volute spring offers smooth consistent pressure for a steady grip

ANVIL - Anvil blade is riveted to handle for extra strength

BLADE - Chrome-plated blades resist rust, corrosion and sap

LATCH - Quick release, single hand operation with a special "mid-point" stop point that prevents the pruner from opening all the way, to speed up cutting motion if desired.

EASY BLADE REPLACEMENT: https://youtu.be/oKuaB07_53g

LEONARD PINK TRADITIONAL BYPASS PRUNER

Nothing beats the classic design of our 1286 traditional bypass pruners except maybe adding some PINK GRIPS! All the same great features as our original 1286, but now available with pink vinyl coated handles! When you purchase our new Pink Leonard Traditional Bypass Pruner, a portion of the proceeds will be donated to the American Cancer Society to help fund cancer research and education. Ship wt .5 lb. **Lifetime Warranty.**

Item	Description	Price	3+	6+
1286P	Pruner	**$36.40**	**$35.24**	**$34.51**
SP2-1286	Replacement Blade	**$14.35**	–	–
1286PCOM	Pruner & Sheath	**$48.80**	**$47.24**	**$46.26**
1286PCOMB	Pruner, Sheath, & Belt	**$52.98**	**$51.28**	**$50.23**

LEONARD TRADITIONAL BYPASS PRUNER

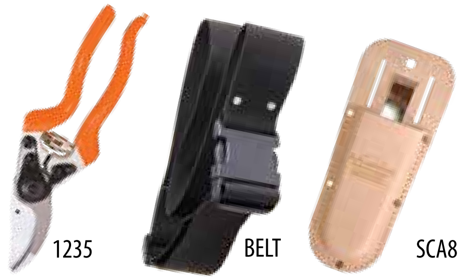
A classic performer for all-around use, with forged aluminum handles for strength and high carbon steel blades that keep a keen edge. Chrome-plated blades resist corrosion. Vinyl coated handles. 8-1/2" overall length. Wt 8.8 oz. 1" cutting capacity. Ship wt .5 lb. **Lifetime Warranty.**

Item	Description	Price	3+	6+
1286	Pruner	**$36.40**	**$35.24**	**$34.51**
SP2-1286	Replacement Blade	**$14.35**	–	–
1286COM	1286 + SCA8	**$48.80**	**$47.24**	**$46.26**
1286COMB	1286 + SCA8 + BELT	**$52.98**	**$51.28**	**$50.23**
SCA8	Sheath only	**$14.97**	**$14.63**	**$14.42**

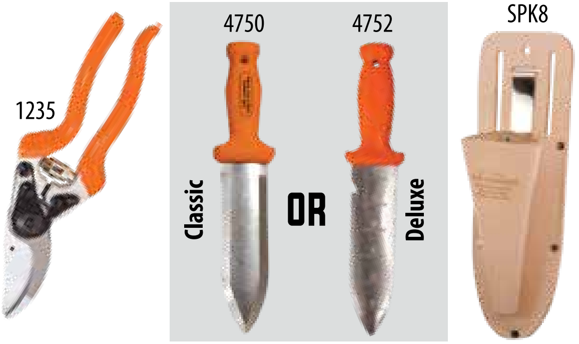
LEONARD ERGONOMIC BYPASS PRUNERS WITH TITANIUM COATED BLADES

Titanium bladed pruners provide maximum resistance to rust and corrosion. The coating also minimizes friction and adds durability to the blade edge. These ergonomic pruners feature blades with a slightly downward angle and more dramatic top handle curve to provide added comfort and slip resistance during pruning. Precision high carbon steel cutting blade with chrome plating and titanium coating. Premium pivot bolt, sap groove, and slip-resistant vinyl grip. 1" cutting capacity; 8.5" overall length. Ship wt .6 lb. **Lifetime Warranty.**

Item	Description	Price	3+	6+
1235	Pruner	**$37.64**	**$36.44**	**$35.68**
SP2-1235	Repl. Cut Blade	**$11.54**	–	–
SP3-1235	Repl. Hook Blade	**$10.39**	–	–



Item	Combo Description	Price	3+	6+
1235COMB	1235 + SCA8 + BELT	**$56.84**	**$55.02**	**$53.88**
1235COM	1235 + SCA8	**$49.98**	**$48.38**	**$47.38**
SCA8	Sheath only	**$14.97**	**$14.63**	**$14.42**



Item	Combo Description	Price	3+	6+
PK4C	1235 + 4750 +SPK8	**$82.73**	**$80.08**	**$78.43**
PKCOM2	1235 + 4752 + SPK8	**$83.15**	**$80.67**	**$79.12**
SPK8	Sheath Only	**$31.45**	**$30.57**	**$30.02**

TOP OF THE LINE, ITALIAN HAND PRUNERS

LEONARD FORGED PRUNING SHEAR

Features a one-piece forged blade handle for superior strength! The Leonard heavyweight forged bypass pruner offers extreme durability because of its substantial forged construction. The one-piece forged blade and handle design provides superior strength because there isn't any connections, pins, or fasteners that may loosen or fail over time. The quality continues with the finely ground cutting blade and slant ground hook blade that delivers sharp, clean cuts. The hook blade sap groove improves cutting efficiency by keeping sap and debris away from the cutting edge. We've updated the traditional pruner design by adding a leather strap! A vinyl covering provides increased grip, insulation from the steel, and keeps the pruners visible if laid down on the job. 1" cutting capacity, 8-3/8" overall length. **Lifetime Warranty.** Made in Italy. Ship wt .8 lb.

A200		**$49.83**	**3+ $48.32**	**6+ $47.38**
SP11-A200	Repl. Spring	**$3.25**		

LEONARD FORGED BLADE PRUNERS

Forged steel cutting blade and solid aluminum handles combine creating an extremely durable pruning shear. Ready to tackle extensive pruning projects. The hardened blades cut cleanly and provide lasting sharpness. A deep sap groove on the hook blade diverts sap away from the cutting edge maintaining a smooth action. Cushion bumpers soften the impact. Slip-resistant rubberized handles. Maintenance free wire closure. 1" cutting capacity, 8-1/4" overall length, 8.8 oz. Made in Italy. Replaceable cut and hook blades further increase longevity. **Lifetime Warranty.** Ship wt .5 lb.

A10		**$57.88**	**3+ $56.64**	**6+ $55.87**
A1R2	Repl. Blade	**$23.44**		

LEONARD STANDARD PRUNERS

The best quality at the best price in a lightweight pruner. Italian quality shears at an incredible value. This is a handy basic pruner for florist's use and all-around gardening. 1-3/4" stainless steel blades for smooth cutting action. Proudly made in Italy with a Rockwell hardness of 52 +/- 54. 0.5" cutting capacity; 7-5/8" overall length; weight of 4.3 oz. Ship wt .5 lb. **Lifetime Warranty.**

1550		**$24.40**	**3+ $23.62**	**6+ $23.13**
SP11-1503	Repl. Spring	**$3.25**		

Steel core upper and lower handles.

LEONARD ERGONOMIC BYPASS PRUNER

Another coveted, Italian made A.M. Leonard curved bypass pruner designed for cutting up to 1" diameter live wood. The offset hook blade construction reduces friction during use and prevents sap buildup. Ergonomic design increases cutting power while the curved top handle rest perfectly in virtually any size hand. The upper handle shape and lower handle grooves prevent your hand from slip-ping during large cuts. The composite handles of this pruner are steel reinforced with steel throughout both upper and lower grips. The pivot bolt has a separate securing plate that locks assembly to maintain precision blade contact. Easy operation thumb latch secures the pruner in the closed position. The cut blade is replaceable, further increasing the life span of this durable hand pruner. **Lifetime Warranty.** Ship wt 0.5 lb.

4282		**$48.70**	**3+ $47.64**	**6+ $46.97**
SP2-4282	Repl. Blade	**$17.64**		

LEONARD POINTED TIP STAINLESS STEEL SHEARS

A longer reach thinning shear with stainless steel blades that resist sticking and makes cleaner cuts. Orange one-piece molded composite handles fit in your hand comfortably. Blades have a 1.875" cutting edge and a Rockwell hardness of 52 +/- 2. With a 7.5" overall length. **Lifetime Warranty.** Made in Italy. Ship wt .5 lb.

1503		**$19.90**	**3+ $19.34**	**6+ $19.00**
SP11-1503	Repl. Spring	**$3.25**		

1286
4750
4752
SPK8
Classic
OR
Deluxe

LEONARD DUAL SHEATH, FOR SOIL KNIFE AND PRUNER

Keep the two most popular tools at your side with the Leonard dual case! Top grain leather and quality construction will last for years. Attach by belt slots or spring metal clip.

SPK8	Sheath	**$31.45**	**3+ $30.57**	**6+ $30.02**
PK1C	SPK8 + 1286 + 4750	**$81.39**	**3+ $78.95**	**6+ $77.43**
PKCOM	SPK8 + 1286 + 4752	**$81.15**	**3+ $78.71**	**6+ $77.18**

1286P
4752P
SPK8

LEONARD DUAL SHEATH, FOR PINK SOIL KNIFE AND PRUNER

Keep the two most popular tools at your side with the Leonard dual case! Top grain leather and quality construction will last for years. Attach by belt slots or spring metal clip.

PK2C	SPK8 + 1286P + 4752P	
$71.41	**3+ $69.56**	**6+ $68.40**

SCD82
1286
1290
BELT

LEONARD SHEATH FOR SNIP AND 8" PRUNER

Carry pruners and snips at once. Constructed with high-quality leather and metal rivets, built to last.

SCD82	Sheath	**$29.30**	**3+ $28.38**	**6+ $27.81**
SCD82COM	SCD82 + 1286 + 1290	**$79.27**	**3+ $76.73**	**6+ $75.15**
SCD82COMB	SCD820M +BELT	**$85.03**	**3+ $82.31**	**6+ $80.61**

WEB BELT FOR PRUNING HOLSTERS

Permanently hang the sheaths and cases you take with you every time you work outside. When you need your tools, just snap the belt on over your waist and go! Adjust to fit right over your sweatshirt or coat, goes on and off in a second! 2" wide belt, adjusts from 29" to 46" with quick release buckle. Ship wt .3 lb.

BELT	**$7.22**	**3+ $7.06**	**6+ $6.95**

1286
BSC8
SCA9
BELT
For 8" Pruners
OR
For 9" Pruners

LEONARD LEATHER SHEATH FOR PRUNERS

Molded leather case with through slots. SCA9 also has spring belt clip. This heavy duty case will keep your shears handy!

For 8" Pruners

BSC8	Sheath	**$15.60**	**3+ $15.11**	**6+ $14.80**
BSC8COM	BSC8 + 1286	**$43.99**	**3+ $42.58**	**6+ $41.70**
BSC8COMB	BSC8COM + BELT	**$48.21**	**3+ $46.72**	**6+ $45.79**

For 9" Pruners

SCA9	Sheath	**$19.12**	**3+ $18.63**	**6+ $18.33**
SCA9COM	SCA9 + 1286	**$49.38**	**3+ $47.80**	**6+ $46.81**
SCA9COMB	SCA9COM + BELT	**$56.30**	**3+ $54.50**	**6+ $53.37**

1286
SCB8
SCB9
BELT
For 8" Pruners
OR
For 9" Pruners

LEONARD PRUNER CASE LEATHER WITH SNAP

Soft brown, oil tanned top grain steer hide leather; holster style snaps on over belt for comfortable, secure fit. Also available in dual purpose style with handy knife pocket.

For 8" Pruners

SCB8	Sheath	**$15.57**	**3+ $15.13**	**6+ $14.86**
SCB8COM	SCB8 + 1286	**$47.75**	**3+ $46.22**	**6+ $45.27**
SCB8COMB	SCB8COM +BELT	**$52.64**	**3+ $50.96**	**6+ $49.90**

For 9" Pruners

SCB9	Sheath	**$16.43**	**3+ $16.02**	**6+ $15.76**
SCB9COM	SCB9 + 1286	**$49.17**	**3+ $47.60**	**6+ $46.61**
SCB9COMB	SCB9COM +BELT	**$54.92**	**3+ $53.16**	**6+ $52.06**

LEONARD PRUNER SHEATH

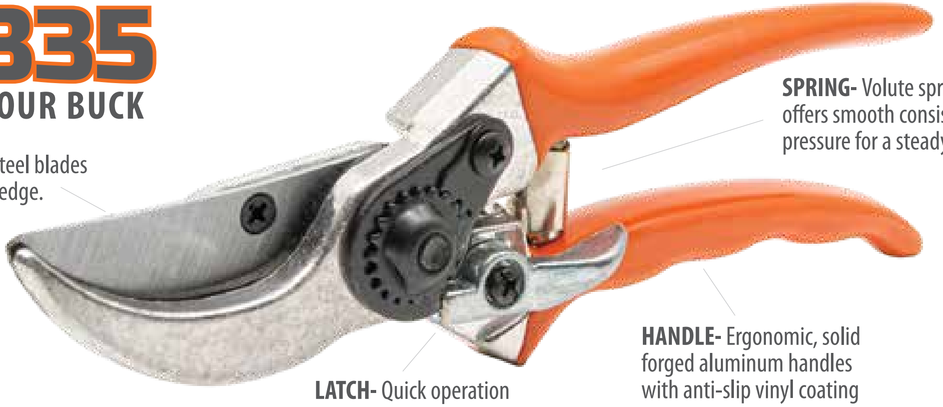
Cone shaped leather case clips quickly to belt or pant waist for convenient access to your pruning shears. Protects during storage. Durable top grain leather. 6-1/8" height. Ship wt .5 lb. **Made in the USA.**

SCC8	**$14.97**	**3+ $14.50**	**6+ $14.20**

SCC8COM	SCC8 + 1286 pruner	
$46.50	**3+ $45.01**	**6+ $44.08**
SCC8COMB	SCC8 + 1286 pruner + BELT	
$49.89	**3+ $48.29**	**6+ $47.30**

THE 835

BEST BANG FOR YOUR BUCK


BLADE - High-carbon steel blades for a keen long-lasting edge.
BLADE
• 8-1/4" overall
• 3/4" cut capacity
SPRING- Volute spring offers smooth consistent pressure for a steady grip.
HANDLE- Ergonomic, solid forged aluminum handles with anti-slip vinyl coating
LATCH- Quick operation thumb-latch lock

LEONARD CONTRACTOR PRUNING SHEAR

Value-priced model for the whole crew! Outfit your entire crew with this value-priced Contractor Grade bypass pruning shears. High Carbon steel cutting blade. Vinyl coated handles for comfort; zinc easy-operate thumb-latch. 8-1/4" overall. Cuts up to 3/4" diameter. Ship wt 0.58 lb.

835		**$16.80**	**3+ $16.26**	**6+ $15.93**
SP2-835	Repl. Blade	**$5.49**		

LEONARD STRAIGHT BLADE PRUNING SHEARS

Ready to take on the toughest shearing tasks! Blades are strong high carbon steel that hold a sharp edge. Then finished with a hard chrome plating to resist corrosion. Long 2" blades tackle flower cutting, dead heading, and seasonal perennial cutback with ease. Sturdy aluminum handles with a non-slip vinyl grip. Conveniently squeeze to open. 8-5/8" overall length. **Lifetime Warranty.** Ship wt .5 lb.

1204	**$28.90**	**3+ $27.98**	**6+ $27.40**

LEONARD SPECIALTY SHEARS AND CASE COMBO

Exclusively ours, made in Italy. Smooth working stainless steel shears from halfway around the world! These pointed shears have comfortable molded composite grips, making them ideal for all your fine cutting needs. 6-3/8" overall length, 1-5/8" cutting blades. Rockwell hardness 49-50. **Lifetime Warranty.** Ship wt .5 lb.

Item	Description	Price	3+	6+
3080WS	Shears with case	**$32.14**	**$31.52**	**$31.13**
3080	Shears only	**$19.94**	**$19.50**	**$19.23**
SSC	Case only	**$13.89**	**$13.59**	**$13.40**

LEONARD PROFESSIONAL PRUNING SHEAR

Features flat, extra wide handles that offset finger and palm pressure for a comfortable feel. High carbon steel cutting blade is extremely sharp and finished with a hard chrome finish. Outfitted with non-slip vinyl grip, slide lock mechanism, sap groove, and solid aluminum handles. 8-1/2"overall, 3/4" cutting capacity. **Lifetime Warranty.** Ship wt .5 lb.

1212		**$31.85**	**3+ $30.83**	**6+ $30.19**
SP2-1212	Repl. Blade	**$9.47**		

LEONARD NEEDLE NOSE SHEARS

Exclusively ours. High carbon, heat-treated, Japanese steel blades provide a clean cut and keep their edge longer. Chrome plating makes them rust, corrosion and sap-resistant. Narrow pointed design works well for harvesting, dead-heading, pruning, or making cuttings. 2" blades, 7-5/8" overall length. Wt 6 oz. **Lifetime Warranty.** Ship wt .5 lb.

1290	**$18.85**	**3+ $18.25**	**6+ $17.87**

LEONARD LEATHER SHEATH FOR 8" PRUNERS

Molded leather case. Clip to your belt or slip belt through slots, this heavy duty case will keep your 8" shears handy. Ship wt .5 lb. **Made in the USA.**

SCA8	**$14.97**	**3+ $14.63**	**6+ $14.42**

OKATSUNE HAND PRUNERS, 3/4" CUTTING CAPACITY, 7-1/8"LENGTH

Incredibly hard steel blades are tough enough for bamboo! Plus the unique one-hand locking feature makes these pruners a favorite of professionals! Blades are made from Izumo Yasuki Japanese steel to deliver a Rockwell hardness of 60 +/-1. The specially engineered blade angle provides a smooth, clean cut without crushing. Plus, the unique locking/unlocking feature allows you to open and close these shears with one hand - once you try it, you won't go back! 3/4" cutting capacity; 7-1/8" overall length; weight of 11.8 oz.

OK101 $52.62 3+ $51.44 6+ $50.70

OKATSUNE HAND PRUNERS, 3/4" CUTTING CAPACITY, 8"LENGTH

Incredibly hard steel blades are tough enough for bamboo! Plus the unique one-hand locking feature makes these pruners a favorite of professionals! Blades are made from Izumo Yasuki Japanese steel to deliver a Rockwell hardness of 60 +/-1. The specially engineered blade angle provides a smooth, clean cut without crushing. Plus, the unique locking/unlocking feature allows you to open and close these shears with one hand - once you try it, you won't go back! 3/4" cutting capacity; 8" overall length; weight of 8.7 oz.

OK103 $58.75 3+ $57.44 6+ $56.62

OKATSUNE POINTED TIP HAND SHEARS, 7-3/4" LENGTH

Precise yet no-crush trimming from long-lasting tough Japanese steel! Blades are made from hot hammer-forged Izumo Yasuki Steel for maximum sharpness and cutting power. Long-lasting with a blade thickness specifically designed for the task at hand. Pointed thinning shears deliver delicate, no-crush floral and thinning work. Pointed cutting blade is 2-3/4". 7-3/4" overall length; weight of 4.8 oz.

OK304 $22.99 3+ $22.25 6+ $21.79

OKATSUNE ROUNDED TIP HAND SHEARS, 7-3/4 LENGTH Great for harvesting, floral, and propagation! Blades are made from hot hammer-forged Izumo Yasuki Steel for maximum sharpness and cutting power. Long-lasting with a blade thickness specifically designed for the task at hand. Rounded tip thinning shears deliver delicate, no-crush floral and thinning work. Rounded cutting blade is 1-7/8", slightly stiffer than the OK304. 7-3/4" overall length; weight of 4.8 oz.

OK306 $22.99 3+ $22.25 6+ $21.79

ARS BUD SHEARS

This needle nose shear is precisely designed for picking fruit, cutting buds, gathering vegetables, and cutting flowers. Lightweight tool has soft PVC covering over the grips for comfortable extended periods of use. 2" razor sharp blade, the 7-1/2" overall length, total wt 4 oz. Ship wt .5 lb.

300L High Carbon **$18.82 3+ $18.45 6+ $18.22**
300DX Stainless Steel **$28.29 3+ $27.74 6+ $27.40**

THINNING AND VEGETABLE SHEAR

The ideal shear for those small delicate jobs. Use for thinning, container gardening, vegetables, herbs, indoor gardening, etc. Stainless steel cutting blade 1-7/8" with a Rockwell hardness of 60. 7" overall length. Ship wt .5 lb.

SE45 $21.92 3+ $21.63 6+ $21.44

ARS EXTRA REACH SCISSORS

Similar to the ARS60, with slightly longer, hard chrome-plated steel blades for extra reach and leverage. 2" blades, 7-3/4" overall. Ship wt .5 lb.

ARS64 $29.41 3+ $28.84 6+ $28.49

ARS SCISSORS

Longer-bladed shear can be used for lightweight shearing of plants, as well as cutting fabrics such as burlap and weed barrier. Soft bow grips for comfort and reduced fatigue. High carbon steel blades are hard chrome-plated. 7-1/2" overall length, blade length 2.75". Ship wt .5 lb.

340HT $29.94

ARS BONSAI SCISSORS

Standard - Razor sharp carbon steel blades, for the delicate cuts required for successful Bonsai pruning or shaping, or any time maximum precision is required. 1-1/2" black finished cutting blades, 6-1/4" overall length. Ship wt .5 lb.

ARS60 $19.97 3+ $19.60 6+ $19.37

ARS HEAVY DUTY PRECISION

Designed for heavy-duty, precision pruning in the orchard, vineyard or anywhere. Precision ground, hard chrome-plated blades ensure a smooth, clean easy cut every time. Superior rust and resin resistance, 3/4″ cutting capacity. High carbon steel handles with vinyl grips. 7-3/4″ overall length. Ship wt .5 lb.

120DX $49.80 3+ $49.16 6+ $48.75

ULTIMATE LEAF SHEAR

By popular demand! Customers have been asking us for long bladed shears and these fit the bill nicely. Magnificent quality, crafted from high carbon heat-treated Japanese steel. Hard chrome-plated to prevent rust, with a specially designed no-slip locknut. All aluminum grip and guard. 4-1/2″ blade length and 11″ overall length, wt 11.2 oz. Ship wt 1 lb.

N207 $128.68 3+ $126.85 6+ $125.71

HEAVY DUTY IN 3 SIZES

Hard chrome plated blades are high carbon steel, so they stay sharp longer and resist rust and sap. Unique squeeze-action latch opens with a simple squeeze of the handles for easy one-handed use. Rubberized solid aluminum handles. Replaceable blades. In three sizes. Ship wt .5 lb.

Item	Length	Price
VS7XZ	7″	**$59.52**
VS8XZ	8″	**$59.82**
VS9XZ	9″	**$64.69**

SABOTEN 1218 PRUNING SHEARS

From the same manufacturer who makes the Slimmer Trimmer (our 562) comes this slightly larger trimmer which is constructed more heavily. The blade is 5mm longer and is riveted to the handle, not just inserted while hot like the 562. Suitable for heavy duty use, and can cut thicker and bigger plants than the Trimmer. In Japan this trimmer has long been used by professional florists and flower ships, but can be used outside for light pruning as well. Includes a wrist strap keeping this tool close at hand! Ship wt .5 lb.

563 $39.86 3+ $38.73 6+ $38.02

NEW

FORGED DOUBLE CUT PRUNER

Two sharpened blades come together evenly, to make clean cuts without crushing delicate stems. Ambidexterous design. Clean cuts heal faster, causing less stress on plants and less risk of disease. Forged carbon steel blades are incredibly durable for a lifetime of use. Stop screw allows adjustment so blades make precise contact, even after wear and sharpening One-piece molded composite handles. 8-1/4″ overall length, 1-5/8″ cutting edge. Made in Italy. Ship wt .5 lb.

ART-17 $64.80

Spare Parts Kit: Includes spring, pivot bolt/nut, and securing plate with screw
ART-17P $2.74

ARS PRUNERS

Right-sized for smaller hands. Hard chrome-plated blades. High quality cutting edge performance provides more leverage. 3/4″ cutting capacity. Vinyl-coated handle. 6-7/8″ overall length. Ship wt .5 lb.

ARS6 $38.37 3+ $37.89 6+ $37.59

HEAVY DUTY HAND PRUNER

The VSR-series features a rotating handle designed to reduce stress on your hand and wrist! Features blades with superior sharpness that are designed to last. The locking latch is released by simply squeezing the handles, enabling single handed operation. The pruners are made of thick high quality, cast aluminum, with a non-slip coating of plastic for greater durability and comfort. Lightweight and perfectly balanced — designed for professionals who use the tools all day!

Item	Length	Cutting Capacity	Price
VS8XR	8″	.87″	**$69.67**
VS8XZ1		Repl. Blade	**$42.50**
VS9XR	9″	1″	**$79.82**
VS9XZ1		Repl. Blade	**$49.90**

SLIMMER TRIMMER

Exact, precise cuts. High carbon steel blades, heat treated and non-stick coated for smooth cutting action. 7-1/2″ overall length. Ship wt .5 lb.

562 $34.49 3+ $33.39 6+ $32.70

FELCO 100

Special Application - Cut & hold Pruning Shears. Providing that there is a Felco tool for every task. An ingenious development, featuring two flat jaws fixed to the blades of the Felco 11 shear. The Felco 100 cut and hold jaws firmly grasp cut material by the stem to prevent delicate material from falling to the ground. Equipped with the same hardened steel blade components and aluminum handles with non-slip grips. Ideal for florist and harvesting applications. The Felco 100 is ideal for large size hands, yet all Felco one-hand pruning shears enable the highest cut quality, regardless of hand size. Visit the Felco 100 page on amleo.com to view the Felco Hand Sizer Guide. Cut blade is replaceable. Cut and hold capacity of 0.4" and measuring 8.27" overall in length. Lifetime Warranty. Ship wt 0.6 lb.

100FEL		**$75.41**
1003B	Replacement Blade	**$19.98**

FELCO 310 SHEARS

Collect flowers, harvest fruits, and do light pruning. Lightweight, with a slender profile that easily cuts in tight spots. Hardened stainless steel blades. One-hand opening latch. Spring action. Loop strap. .4" cutting capacity. 7.3" overall length. Wt 3.9 oz. Ship wt .5 lb.

310FEL **$19.77**

NEW

FELCO 322 TRIMMING AND HARVESTING SHEARS

1-5/8" Cuting Edge. Compact, lightweight and ergonomic, FELCO 322 picking and trimming snips are equipped with chromium blades. Steel handles utilize a flexible pin spring and soft polyurethane shock absorbers to ensure maximum comfort and reduce muscle tension. These Japanese picking and trimming snips have been designed for professionals in nurseries viticulture, arboriculture and greenhouse growing. A 1-5/8" cutting edge provide standard shear cut capacity of 1/2" diameter. 7-1/2" overall length, weight 3.9 oz.

322FEL **$19.95**

FELCO 5

Basic Model One-Hand Pruning Shears. The Felco Model 5 offers same Swiss quality and cutting power avid Felco users have come to know, at an affordable price. Simplistic yet rugged design features steel handles and coated non-slip grips. Hardened steel cut and anvil blades are shaped into a tapered cutting head to effectively reach between branches. The Felco 5 is ideal for large size hands, yet all felco one-hand pruning shears enable the highest cut quality, reguardless of hand size. Visit the Felco 5 page on amleo.com to view the Felco Hand Sizer Guide. Cut blade is replaceable. Offering a 1" cut capacity and measuring 8.86" overall in length. Lifetime Warranty. Ship wt 0.7 lb.

5FEL		**$35.10**
53	Replacement Blade	**$13.60**

FELCO 4

Standard Model - One-Hand Pruning Shear. A no nonsense pruning shear that delivers trademark Felco features from a perspective where core function is the main emphasis. The Standard Model 4 features a one piece forged aluminum counter blade and handle to deliver increased leverage and extra cutting power. Ideal for larger diameter pruning. Light weight yet strong forged aluminum handles feature non-slip grips. Felco precision ground, Swiss made hardened steel cut blade is replaceable. The Felco 4 is ideal for large size hands, yet all felco one-hand pruning shears enable the highest cut quality, regardless of hand size. Visit the Felco 4 page on amleo.com to view the Felco Hand Sizer Guide. Offering a 0.98" cut capacity and measuring 8.27" overall in length. Lifetime Warranty. Ship wt 0.5 lb.

4FEL		**$51.60**
23	Repl. Blade	**$19.34**
291	Repl. Spring	**$5.33**

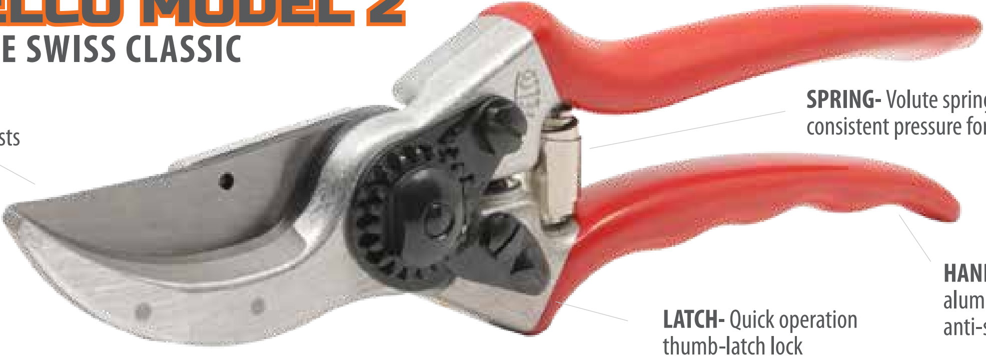
FELCO 31

Anvil Model One-Hand Pruning Shears. The ultra-sharp Felco 31 provides trademark Felco comfort. The blade to anvil contact makes for easy pruning of tough, hard, sappy wood and dead wood. The large hardened steel cutting blade is bevelled on both sides to provide a clean cut every time. Traditional forged aluminum handles are light weight yet extremely strong. Enjoy comfortable and safe pruning with the ergonomic cushioned, non-slip handle grips. Cut blade and anvil are replaceable. Ideal for both right and left hand users with large hands. Yet all felco one-hand pruning shears enable the highest cut quality, regardless of hand size. Visit the Felco 31 page on amleo.com to view the Felco Hand Sizer Guide. Offering a 0.98" cut capacity and measuring 8.27" overall in length. Lifetime Warranty. Ship wt 0.6 lb.

31FEL		**$55.65**
303	Repl. Blade	**$21.98**

THE FELCO MODEL 2

THE SWISS CLASSIC



BLADE - Replaceable chrome-plated blade resists rust, corrosion and sap

ANVIL- Anvil is riveted to handle for extra strength

SPRING- Volute spring offers smooth consistent pressure for a steady grip

HANDLE- Solid forged aluminum handles with anti-slip rubber coating

LATCH- Quick operation thumb-latch lock

FELCO 2

Classic One-Hand Pruning Shear. Felco's Classic, Award winning, Model 2. Like all Felco products, the Model 2 continues the long legacy of workmanship, precision, and long-lasting durability. The renowned design makes this classic the universal standard for all types of pruning. Hardened steel blades are ultra-sharp and provide unsurpassed smooth cutting action and feature a wire cutting notch. Underlined by a the rugged counter blade that is riveted to the one piece forged aluminum handle. A sap groove prevents the blade from sticking thus improving cut efficiency. Suitable for all day use, rubber shock absorbers and non-slip grips increase comfort and reduce fatigue. The blade setting mechanism allows the cutting head to be adjusted precisely to each user's requirements. And an adjustable closing lock allows for safe holstering and handling when not in use. The Felco 2 is ideal for large size hands, yet all felco one-hand pruning shears enable the highest cut quality, regardless of hand size. Visit the Felco 2 page on amleo.com to view the Felco Hand Sizer Guide. All components are serviceable and replaceable. Offering a 1" cut capacity and measuring 8.46" overall in length. Lifetime Warranty. Ship wt 0.6 lb.

2FEL	Pruner	**$59.39**
2FELCOM	Get the FEL105 sheath and pruners together and **SAVE!**	**$69.38**
23-1	Care Set (Repl. Blade, Spring, and Adjustment Key)	**$18.93**
23	Repl. Blade	**$19.34**
291	Repl. Spring	**$5.33**

FELCO SHEAR CASE

Keep your shears "factory fresh" forever, with a sturdy, handy shear case with clip-on action. Genuine heavy duty molded leather — value priced! 6" deep pouch best for use with 8" pruners. Ship wt .5 lb.

FEL105 **$11.49**

NEW
FELCO 14

Compact Ergonomic Pruning Shear. The FELCO 14 are the most compact, lightweight and manoeuvrable pruning shears from FELCO. They are suited for smaller hand sizes but does not limit cutting power. Cuts up to 0.7" diameter. Constructed with the same high-quality materials as other FELCO products, hardened steel blades and robust hot drop forged aluminium handles. Ergonomic comfort and superior manoeuvrability. 7" overall length, weight 6.7 oz.

14FEL **$58.73**

FELCO 11

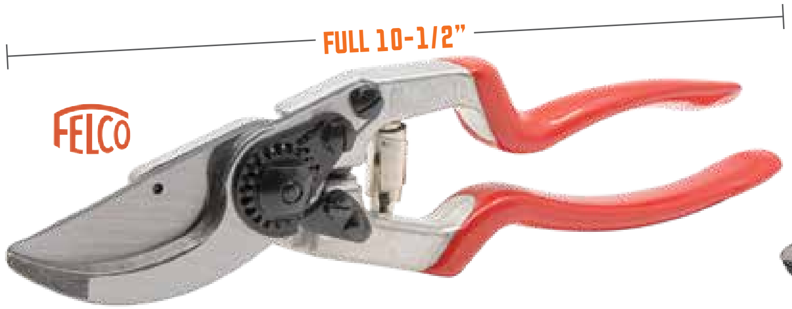
New Generation One-Hand Pruning Shear. The new generation Felco 11 has all the same great features and ergonomics of the renowned Felco Model 2. The Felco Model 11 takes the classic Felco 2 design to the next level with a thin, screw mounted anvil blade. Not only is the screw mounted design easier to maintenance. This thin counter blade makes the cutting head much more narrow, ensuring a close cut no matter how hard to reach. The Felco 11 is ideal for large size hands, yet all Felco one-hand pruning shears enable the highest cut quality, regardless of hand size. Visit the Felco 11 page on amleo.com to view the Felco Hand Sizer Guide. Cut and anvil blades are replaceable. Offering a 1" cut capacity and measuring 8.27" overall in length. Lifetime Warranty. Ship wt 0.6 lb.

11FEL		**$62.92**
23	Repl. Blade	**$19.34**

FELCO 12

Revolving Handle Model – Ergonomic and Compact One-Hand Pruning Shear. The definition of ergonomic pruning. The Felco 12 Revolving Handle Model will mold into a perfect extension of the hand. Designed to even the load of one-hand pruning and work naturally with the muscles and tendons of the hand. Ideal for all day use across the full range of pruning applications, the rotating handle boasts a 30% reduction in required cutting force. Rubber shock absorbers and an angled cutting head also furnish noticeable comfort during use. Equipped with staple Felco features such as forged aluminum handles, non-slip grips, and adjustable cutting head. Felco precision ground, Swiss made hardened steel blades are replaceable. The Felco 12 is ideal for medium size hands, yet all felco one-hand pruning shears enable the highest cut quality, regardless of hand size. Visit the Felco 12 page on amleo.com to view the Felco Hand Sizer Guide. Offering a 0.79" cut capacity and measuring 7.87" overall in length. Lifetime Warranty. Ship w. 0.6 lb.

12FEL **$82.94**



FELCO 13

Multipurpose Pruning Shears – Use with 1 or 2 Hands! Arguably the most versatile and powerful pruning shear in the wide range of Felco product. Designed with the same ergonomic one-hand pruning features that set Felco shears apart from the rest. The Felco 13 is Ideal for situations when cut sizes are too large for traditional shears. The extra-long handles also allow this multipurpose model to be effectively used with two hands as a lopper. Constructed with staple Felco Components such as forged aluminum handles, non- slip grips, and rubber shock absorbers. The cutting head setting mechanism can be easily adjusted on the locking segment nut for additional precision. And Felco precision ground, Swiss made hardened steel blades are replaceable. The Felco 13 is ideal for large size hands, yet all felco one-hand pruning shears enable the highest cut quality, regardless of hand size. Visit the Felco 13 page on amleo.com to view the Felco Hand Sizer Guide. Offering a 1.18" cut capacity and measuring 10.63" overall in length. Lifetime Warranty. Ship wt 0.7 lb.

13FEL		**$74.18**
133	Repl. Blade	**$18.58**

FELCO 6

Ergonomic & Compact One-Hand Pruning Shears. Felco Model 6 high performance, ergonomic and compact pruning shears combine excellent maneuverability and cutting power. Swiss made hardened steel blades are replaceable. The precision ground cut blade features a wire cutting notch while the counter blade features a traditional sap groove. One piece forged aluminum handles feature not-slip grips. Rubber shock absorbers allow for a soft closing action which protects the wrist against strain. And the cutting head is angled to act as a natural extension of the hand. The culmination of all these features is comfortable all day use. The Felco 6 is ideal for medium size hands. Visit the Felco 6 page on amleo.com to view the Felco Hand Sizer Guide. Offering a 0.79" cut capacity and measuring 7.68" overall in length. Lifetime Warranty. Ship wt 0.5 lb.

6FEL		**$58.27**
63	Repl. Blade	**$15.62**

DUAL PURPOSE SHEATH FOR FOLDING KNIFE AND PRUNERS

Secures shear and knife safely and conveniently. Heavy molded leather clips on, or slide belt through slots. Ship wt .5 lb. **Made in the USA.**

5-1/2" deep with 4-3/4" folding knife pouch. Best used with 8" pruners.
SCD8 $27.41 3+ $26.76
6+ $26.36

7" deep with 4-3/4" folding knife pouch. Best used with 9" pruners.
SCD9 $29.60 3+ $29.02
6+ $28.66

LEONARD PRUNER & KNIFE CASE LEATHER 8IN WITH SNAP

Keep your shears close at hand! Soft brown, oil tanned top grain steer hide leather; holster style snaps on over belt for comfortable, secure fit. Also available in dual purpose style with handy knife pocket. For 8" shears or smaller. Ship wt .5 lb.
Made in the USA.

DPB8 $21.90 3+ $21.38
6+ $21.06

AVAILABLE IN LEFT OR RIGHT HANDED
FELCO
FEATURES A ROTATING HANDLE TO ALLOW FINGERS TO MOVE NATURALLY.

FELCO 7

Revolving Handle Model – Ergonomic One-Hand Pruning Shear. A powerful and ergonomic tool best suited for tackling intensive pruning tasks. The distinctive rotating handle of the Model 7 distributes the load required for large diameter one-hand pruning tasks. The rotating handle boasts a 30% reduction in required cutting force. Rubber shock absorbers and an angled cutting head also furnish noticeable comfort during use. Equipped with staple felco features such as forged aluminum handles, non-slip grips, and adjustable cutting head. Felco precision ground, Swiss made hardened steel blades are replaceable. The right-hand model Felco 7 and left hand model Felco 10 are ideal for large size hands, yet all felco one-hand pruning shears enable the highest cut quality, regardless of hand size. Visit the Felco 7 page on amleo.com to view the Felco Hand Sizer Guide. Offering a 0.98" cut capacity and measuring 8.27" overall in length. Lifetime Warranty. Ship wt 0.6 lb.

7FEL	Right-Handed	**$89.90**
73	Repl. Blade	**$16.83**
10FEL	Left-Handed	**$89.90**
93	Repl. Blade	**$16.83**

AVAILABLE IN LEFT OR RIGHT HANDED
FELCO

FELCO 8

Ergonomic One-Hand Pruning Shear. Superior ergonomics and innovative design makes the Felco 8 ideal for larger diameter one-hand pruning tasks. Confidence is easily found in the comfortable grip and the proprietary angled cutting head. One piece forged aluminum handles feature not-slip grips and rubber shock absorbers which protects the wrist against strain. The cutting head setting mechanism can be easily adjusted on the locking segment nut for additional precision. Swiss made, precision ground, hardened steel blades are replaceable. The right-hand model Felco 8 and left-hand model Felco 9 are ideal for large size hands. Visit the Felco 8 page on amleo.com to view the Felco Hand Sizer Guide. Offering a 0.98" cut capacity and measuring 8.27" overall in length. Lifetime Warranty. Ship wt 0.6 lb.

8FEL	Right-Handed	**$64.36**
73	Repl. Blade	**$16.83**
9FEL	Left-Handed	**$74.21**
93	Repl. Blade	**$16.83**

NEW

FELCO 211-60 BYPASS LOPPING SHEAR 1-3/8" CUTTING CAPACITY

1 3/8" Capacity

The FELCO 211-60 loppers deliver maximum cutting power with ease ensuring pruning larger diameter branches up close or at height does not feel like hard work. The curved cutting head with a hooked counter blade and variable radius on the blade provide power and precision that cleanly slice through wood with ease. The 23.6" length gives flexibility to cut at different heights and are comfortable to use thanks to the lightweight aluminium handles and the forgiving shock absorbers. Aluminum 'I-Beam' Handle is light in weight yet tough. Precision, power and comfort, just what you need from a pair of loppers. Cutting capacity 1-3/8". Lifetime Warranty. Ship wt 1.9 lb.

F211-60 **$96.63**

FELCO LUBRICANT SPRAY

Clean and protect your tools to keep them working smoothly. The 100% synthetic formula is non-sticking and cleans all mechanical parts of gardening and workshop tools. Protects all types of metals permanently against corrosion with a waterproof coating. 1.89 fl oz. Ship wt .5 lb.

F980 **$13.73**

SWISS SHARPENER

For shears, knives, scissors and more! This ultimate sharpener has a concave composite steel blade.Two precision sharpening edges are bonded into an aluminum handle. No pressure required, gentle on the blade, easy to use. 3-3/4" long, weighs 1 oz.

10SS **$26.64**

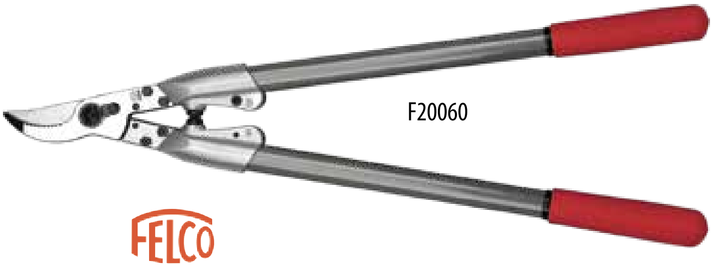
NEW

FELCO 220 LOPPING SHEAR WITH COMPOUND LEVER ACTION 1-1/2IN CUTTING CAPACITY

1 1/2" Capacity

The FELCO 220 lopper is your ideal entry point into the world of larger diameter pruning with its low weight and compounding power action. This lopper has an innovative gearing system which acts as a force multiplier delivering 65% more cutting force reducing strain and fatigue. Curved bypass blades provide clean cuts. Aluminum tube handles are light and robust for heavy duty pruning. The usual heat treated and hardened blades provide long lasting sharpness. Cutting capacity up to 1-1/2". 31-1/2" overall length. Lifetime Warranty. Ship wt 3 lb.

F220 **$199.96**

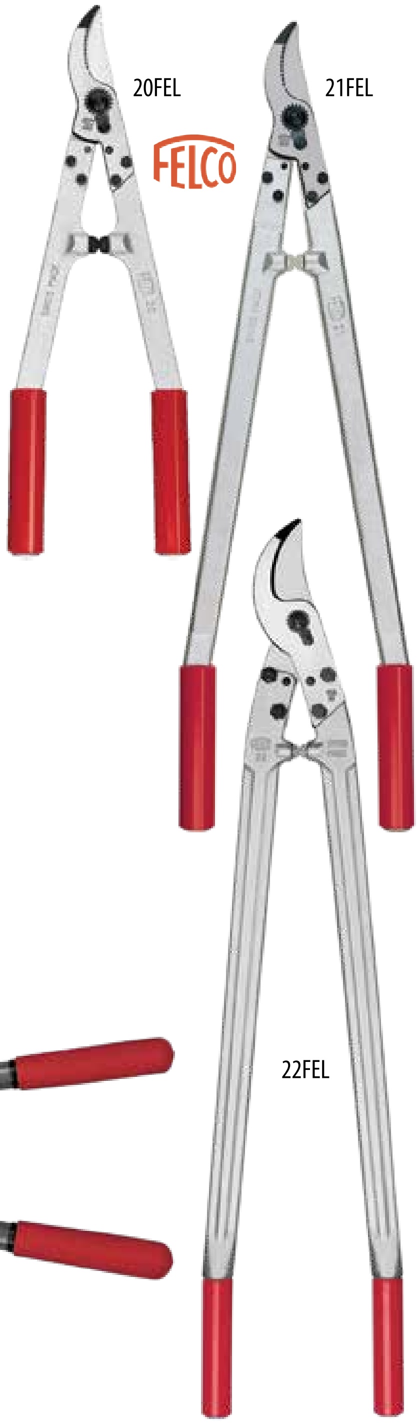


FELCO 200 LOPPERS WITH STRAIGHT CUTTING HEAD

1 3/8" Capacity

Felco's renowned clean, smooth cutting action is provided by the precision ground, hardened steel blades. A straight, tapered cutting head allows for large diameter cuts to be made in tight spaces. And exceptional grip of the toothed counter blade helps latch onto the wood for confident cuts. Reduced tool weight is achieved by lopper design and ultra light, yet super strong, aluminum handles. Combined with rubber shock absorbers to minimize operator fatigue. The Micrometric head adjustment system guarantees an optimal adjustment of the cutting blades, ensuring top performance over the life of the tool. Handles and blades are replaceable. Cut capacity 1-3/8". Lifetime Warranty.

F20040	15-34"	**$99.95**
F20060	23-5/8"	**$112.93**
203	Repl. Blade	**$32.15**



FELCO LOPPERS

The Felco family of #20 loppers, pick from the 17" (20FEL), the 25" (21FEL), or the 33" (22FEL). All of these have forged aluminum handles, a non-stick grip, ergonomically designed shock absorbers, with easily replaceable parts. You will be hard pressed to find a better lopper. Made in Switzerland, with a Lifetime Guarantee.

1-2/5" Capacity

20FEL	17"	Ship wt 1.5 lb	**$170.01**
21FEL	25"	Ship wt 2.5 lb	**$191.28**
203	Repl. Blade		**$32.15**

1-4/5" Capacity

22FEL	33"	Ship wt 4.4 lb	**$244.24**

NEW CORONA FORGED SUPER DUTY LOPPER

Features a 3" cut capacity and 32" length to power through large branches. A great value in a large capacity lopper. Forged Radial Arc bypass alloy steel blades provide high strength and good cut quality. The lopper features robust steel handles that create leverage and a spring loaded bumper that softens the cutting impact. 33" overall Length. Ship wt 4.7 lb.

SL6500 $59.20 3+ $58.32 6+ $57.78

1 1/2" Capacity

Extendable Arms: Handles extend from 21" to 33" with a twist and lock feature!

CORONA EASY CUT EXTENDABLE BYPASS LOPPER

Increase your cutting power 3X without extra effort using the compound action lever. The loppers have lightweight fiberglass handles that extend from 21" to 33" to help you keep working without stopping to get another tool. Additionally these have a resharpenable, non-stick coated, steel blade and 6" foam grips for comfort. Ship wt 4 lb.

FL3471 $44.56

CORONA FORGED HEDGE SHEARS WITH ALUMINUM HANDLES

Extended 10-1/2" length blades cut more material with one motion. Handles are elliptical aluminum to reduce weight while maintaining strength. Grip ends are angled downward for a better hand position when extending out or up. 26-1/2" overall length. Ship wt 3 lb.

AH6970 Hedge Shears **$71.30 3+ $70.13 6+ $69.40**

CORONA PROFESSIONAL SHEARS

Extra long, 10" forged blade with limb notch, fully heat treated for strength. Wood handle with shock absorber. 22-3/4" overall. Ship wt 3 lb.

79CO $78.03 3+ $76.97 6+ $76.31

CORONA LONG HANDLE SHEARS

Corona quality with a longer reach. 8" drop-forged blades, 21" genuine hickoryhardwood handles. 31" overall. Ship wt 4 lb.

7LCO $79.80 3+ $78.64 6+ $77.92

CORONA EXTRA LARGE PROFESSIONAL LOPPERS

3" cutting capacity, with a large hook to grab and hold your cut for truly outstanding performance. 37-1/2" overall length. Ship wt 6 lb.

H29 $179.90

2 1/4" Capacity
AL8441

CORONA HIGH PERFORMANCE ORCHARD LOPPERS

Corona's high performance orchard lopper utilizes a blade design that dramatically reduces the force to cut. Capable of cuts up to 2-1/4". A modest tool weight is maintained due to the high strength elliptical aluminum handles. Cutting blade is fully heat-treated forged steel and the hook blade features a deep sap groove which keeps the blade contact area clear. Large diameter bumpers help to reduce elbow fatigue.

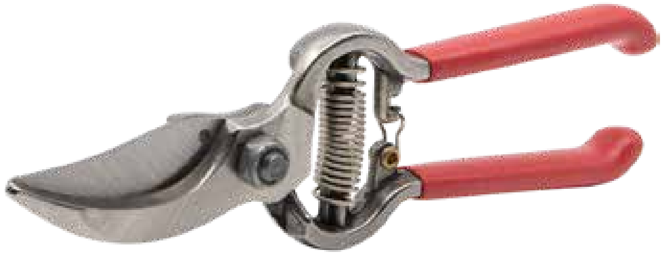
Item	Length	Ship wt	Price	3+	6+
AL8441	26" overall	2.4 lb	**$87.29**	**$86.06**	**$85.29**
AL8461	32" overall	3.3 lb	**$91.64**	**$90.19**	**$89.28**

1 1/4" Capacity

CORONA HI-PERFORMANACE VINE LOPPERS

The blade is resharpenable and replaceable, with legendary Radial Arc bypass blade technology. This unmatched design of the blade dramatically reduces the force needed to cut. The lightweight lopper has high-strength elliptical aluminum handles. Easier adjustments can be made with new and improved design that eliminates the nut-retaining clip. 19" overall length, 1.25" capacity. Ship wt 2 lb.

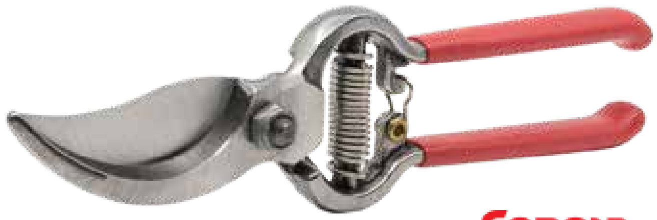
AL8321 $64.50



CORONA BP 3180 FORGED BYPASS PRUNER

Corona Tool's world famous BP3180 forged bypass pruners are a Green Industry staple. A bomb proof design and ability to replace the cutting blade make this pruner one of the longest lasting tools in the business. Heavy crafted out of forged steel and sharpened with precision. The BP 3180 pruner offers a 1" cutting capacity, ideal for all types of cutting jobs. Measuring 8-3/4" overall with non-slip grips. This simplistic design fits nicely in any size hand. Featuring a self aligning pivot bolt, sap groove and wire cutting notch this pruner is designed to get the job done. Limited Lifetime Warranty. Ship wt 1.9 lb.

80CO $34.90 3+ $34.34 6+ $34.00



CORONA BP 3160 FORGED BYPASS PRUNER

Quality features at a great price. Forged cutting blade with slant ground hook cuts branches up to 3/4" diameter. Steel alloy handles with cushion grips. 7-7/8" overall length. Ship wt 1.6 lb.

60CO $27.90

CORONA BP 3130 FORGED BYPASS PRUNER

Sized for smaller hands. Forged cutting blade with slant ground hook. Steel alloy handles with cushion grips. 1/2" cutting capacity. 7-3/4" overall length, wt 6.9 oz. Ship wt .5 lb.

8COR **$27.90** **3+ $27.49** **6+ $27.24**
31801 Repl. Blade **$16.13**

QUICK SHARPENER

As compact as a pen, easily fits in your pocket, tool box or tool belt. It can literally sharpen a dull pruner in 6 strokes. Easily maintain the same factory bevel or angle of the cutting edge on pruning and cutting tools. 5" super carbide file made for sharpening all types of blades. Use it to sharpen loppers, hedge shears, pruners, lawn mower blades and so much more! Go online to see a full list of products you can sharpen with this small, convenient sharpener. Ship wt .5 lb.

AC83 $12.29 3+ $11.97 6+ $11.78

NEW CORONA ORANGE SHEARS

Designed for high-volume citrus fruit harvesting. Made with drop-forged alloy steel, these hand pruners are strong enough to sever fruit cleanly from its fruiting spur, while their rounded tips allow them to handle delicate fruit. The blades, pivot and spring have a corrosion-resistant finish, making them easy to clean and resistant to germ and residue build-up. These pruning shears also feature a new synthetic strap that easily allow you to alternate between two- and one-handed picking. Plus, with a re-sharpenable blade and a heavy-duty spring, you can rely on these garden snips for frequent, high-volume cuts season after season.

AG5060 $38.84 3+ $38.12 6+ $37.67

CORONA BP 6250 BYPASS PRUNER

Popular bypass design, made tough by Corona. Heavy duty pruners are great for any pruning job and feature a Cronnium™ steel alloy and replaceable Radial Arc™ blades with sap groove and wire cutting notch. No-slip grips of vinyl over aluminum handles. 8-1/2" overall length, wt 8.8 oz. 1" cutting capacity. Ship wt 1.2 lb.

830CO **$44.04**
62501 Repl. Blade **$15.59**

CORONA FS 4350 THINNING SHEAR

1-3/4" precision ground, drop-forged carbon steel blades, vinyl coated handles. Professional quality straight blade for thinning. 8" overall length. Ship wt .5 lb.

21S $29.40 3+ $28.87 6+ $28.54

CORONA FORGED GRASS SHEAR

Professional quality drop forged steel, horizontal squeeze grip! Blade cutting length of 4.5 inches; overall length of 12 inches. Wt 1 lb.

5COR $33.95 3+ $33.17 6+ $32.68

2"
Capacity
Professional

BAHCO PROFESSIONAL HEAVY DUTY LOPPERS

Cuts limbs up to 2" thick with ease. Extra durable, all steel construction; sturdy, lightweight aluminum alloy handles. 32" overall length. Ship wt 5 lb.

P1980		**$145.90**	**3+ $143.95**	**6+ $142.73**
R119V	Repl. Blade	**$67.23**		

1 3/4"
Capacity
Professional

BAHCO PROFESSIONAL ORCHARD LOPPERS

Ideal in the orchard, well-suited to general landscaping, too. Strong, lightweight yet very durable cutting head, 1-3/4" capacity. 30" overall length. Ship wt 3 lb.

P16075		**$89.60**
R160A	Repl. Blade	**$35.77**

1 1/2"
Capacity

BAHCO; PROFESSIONAL LEVER-ACTION LOPPERS

Lever action delivers extra leverage to reduce cutting effort up to 50%! Bahco's first lever-action cutting loppers utilize an added pivot link to provide extra leverage, reducing cutting effort by as much as 50%. The tubular aluminum handles help to reduce weight, yet maintain strength for high performance. Cutting blades are hardened high carbon steel for precise quality cuts and are replaceable. Rubber cushion bumpers minimize shock on wrists and arm. 1-1/2"cutting capacity; 31-1/2" overall length.

P28080	**$83.61**

1 1/4"
Capacity
Professional

BAHCO; SUPER-LIGHT PROFESSIONAL LOPPERS

Unique evolving bevel empowers you to make easier cuts on tough wood! Two-edged radii blade with evolving bevel ensures durability and easier cuts on tough wood. Increased blade curve holds branches tighter with minimal slipping. Aluminum alloy handles lower lopper weight, and reduce fatigue during big pruning jobs. Soft shock absorbers, multi-position grips. 1-1/4" cutting capacity. Choose from 24" or 28" overall lengths.

P11660	24". Ship wt 1.9 lb.	**$72.24**
P11670	28". Ship wt 2.2 lb.	**$77.43**

1 1/4"
Capacity
Professional

BAHCO TRADITIONAL LOPPERS

Featuring superior carbon steel construction, with heavy duty carbon forged blades. Sharp, curved hook blade holds limbs firmly. Tubular handles are built to last. Lightweight, well-balanced and versatile, with a 1-1/4" cutting capacity. Deep cutting blade, durable steel handles. 24" overall length. Ship wt 3 lb.

P1624		**$87.42**	**3+ $85.84**	**6+ $84.85**
R116V	Repl. Blade	**$29.89**		

EZ KUT G2 LOPPER

Ratcheting and telescoping, handles extend from 18" to 42" in pre-set increments, with a blade opening of 3.5". Patented Oiler Bolts keep key points lubricated. The anvil is toothed on one side to bite into the branch you are removing, the other side is smooth to reduce damage to the branch bark collar. Includes Maximizer™ for cutting larger branches with no loss of length. Hold the black handle steady, and ratchet with the orange one to cut though the hardest wood!

EZKUTG2 $158.53

EZ KUT SLING PAK

Made of ballistic nylon with a Lifetime Guarantee, this pack fits your lopper, hand pruner, folding saw, cell phone, small sharpener. Sling the pack over your shoulder and head onto your back and still access your lopper over your shoulder like an arrow quiver. Pull the sling Pak around to your chest to access the other tools in the pack.

EZKUTSP $89.99 3+ $88.88 6+ $88.18

EZ KUT RATCHETING PRUNER

EZ KUT- All Metal Ratcheting Pruner, 5X the Power of Conventional Shears, Heavy Duty Clippers- SK5 Hardened Carbon Steel, Non Stick Coated Blade- Ergonomic Comfort Grip. Used by Outdoorsmen, Hunters, Trail Riders, Farmers, Ranchers, Home and Garden. These Pruner Snips have a large cutting capacity, Can Easily Cut Up To 1-1/2". **Lifetime Guarantee:** These Durable Pruners Have Been Tested In The Harshest Environments For Over 30 Years. Ship wt .6 lb.

RP702 $46.16 3+ $45.18 6+ $44.56

PROFESSIONAL ERGONOMIC PRUNERS

This innovative high-cut-quality pruner is designed with a major advantage for users: less fatigue and pain at the end of the day. When held in the hand, the position of the blades are angled downward and to the left. These angles maintain a neutral position for the wrist during use, preventing wrist bending and excess strain. Also, the shape of the handles spreads pressure evenly for added comfort. Elastomer handle coating ensures a good grip.

Item	Description	Ship wt	Price	3+	6+
PXM2	3/4" cutting capacity	.5 lb	**$55.89**	**$55.00**	**$54.44**
PXL3	1-1/4" cutting capacity	.6 lb	**$57.58**	**$56.55**	**$55.91**
PXRM2	3/4" capacity w/revolving handle	.7 lb	**$83.82**	**$82.50**	**$81.68**

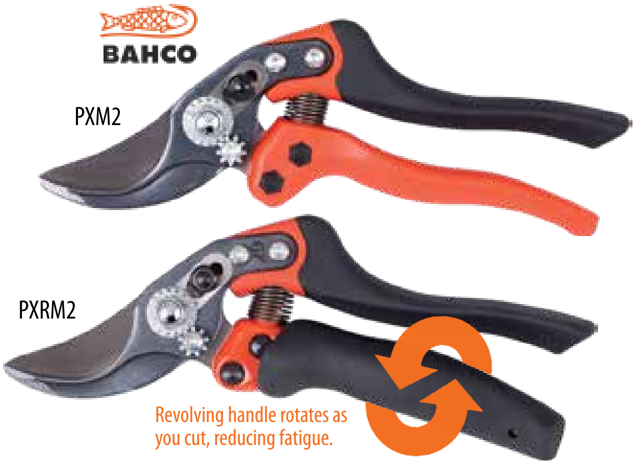
EZ KUT "LIL G" RATCHET LOPPER

The Lil G Ratchet Lopper by EZ Kut is extremely lightweight, compact, and offers dual cutting capabilities! The ratchet design cuts up to 2", and its dual cutting capability allows it be used a normal lopper for quick cuts. The overall size of the Lil G measures 18.9" long and weighs less than 2 lb! Effortless to use this lopper is ideal for tight spots and is very easy to store and carry. Small but Mighty, this entire lopper is constructed from SK5 hardened carbon steel. The handles and hardware of the lopper are powder coated while the blades are treated with a non-stick coating. The cutting blades are brought to an ideal hardness of HRC 54 (+/-2) for excelent strength and edge retention. Backed by a Lifetime guarantee. Ship wt 1.8 lb.

LG7684 $94.83 3+ $93.15 6+ $92.09

NEW EZ KUT KAMIKAZE FORCE PRUNER - The Kamikaze Force Bypass Pruner is designed with optimized lateral and vertical tilt, which allows for comfortable and powerful all day cutting. A 30° vertical tilt pulls material into the cut, while a 2° lateral tilt reduces wrist rotation reducing fatigue. Ergonomically designed from the ground up, the Force pruner features heavy duty Polyamide handles molded with real rubber grips. A teflon coated SK-5 steel blade withstands abuse and remains sharp. This light weight and compact bypass pruner measures 8-1/4" in length, and features a 1" cut capacity. Force Pruner blades and components are replaceable. Made in Spain. Backed by EZ KUT Products Lifetime Guarantee. Ship wt 0.5 lb.

K10930		**$42.26**	**3+ $41.72**	**6+ $41.38**
K10943	Repl. Blade	**$12.40**		



Revolving handle rotates as you cut, reducing fatigue.

BUY ALL THREE AND SAVE!

LEONARD PRUNING CREW KIT

A great value and easy way to outfit your entire crew! **Save 12%** when you purchase the Leonard Crew Loppers, Leonard Crew Hedge Shears and Leonard Crew Pruner together in this new for spring pruning kit!

Kit Includes:
- #AML24 - Leonard Crew Lopper
- #AMH9 - Leonard Hedge Shears
- #835 - Crew Pruner

AMCKT	**$92.55**	**3+ $89.78**	**6+ $88.04**

LEONARD CONTRACTOR PRUNING SHEAR

Value-priced model for the whole crew! Outfit your entire crew with this value-priced Contractor Grade bypass pruning shears. High Carbon steel cutting blade. Vinyl coated handles for comfort; zinc easy-operate thumb-latch. 8-1/4" overall. Cuts up to 3/4" diameter. Ship wt 0.58 lb.

835	**$16.80**	**3+ $16.26**	**6+ $15.93**

Repl. Blade
SP2-835 **$5.49**

1 1/2"
Capacity

LEONARD CREW LOPPERS

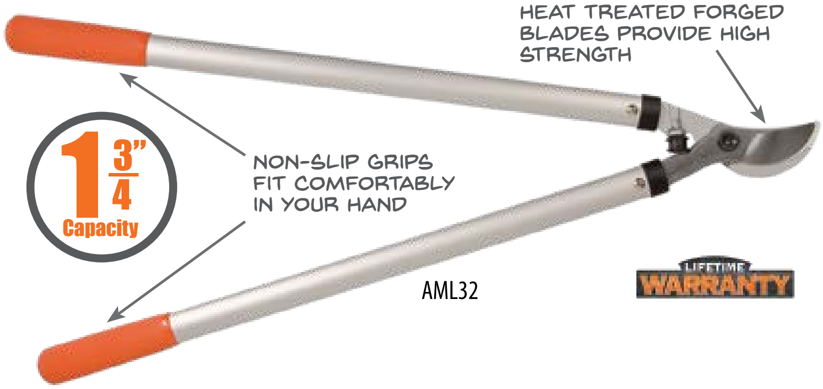
The economical lopper for your work crew. Drop-forged cutting blades. Oval aluminum handles have textured grips for comfort. Shock absorbing bumper. Handles measure 22-1/2" for an overall tool length of 27-1/2". 1-1/2" cutting capacity. Non-replaceable parts. Covered by A.M. Leonard one-year guarantee against manufacturer defects. Ship wt 3 lb.

AML24	**$39.80**	**3+ $38.73**	**6+ $38.06**

LEONARD CREW HEDGE SHEARS

The value-priced straight edge shear for your work crew. 9" drop-forged blades have a cutting notch on lower blade for large diameter stems. Tubular oval aluminum handles with textured grips. 24-3/4" overall length. Rockwell hardness 53-56. Non-replaceable parts. Covered by A.M. Leonard one-year guarantee against manufacturer defects Ship wt 3 lb.

AMH9	**$48.99**	**3+ $47.42**	**6+ $46.44**


HEAT TREATED FORGED BLADES PROVIDE HIGH STRENGTH
NON-SLIP GRIPS FIT COMFORTABLY IN YOUR HAND
1 3/4" Capacity
AML32
LIFETIME WARRANTY

OVER 31" LONG!

LEONARD FORGED BYPASS LOPPERS

Heavy duty enough to tackle your pruning jobs, but lightweight to fight fatigue. Forged high carbon steel cutting blades are heat-treated to offer a durable hard edge. Oval aluminum alloy handles with non-slip grips fit comfortably in your hands. Shock absorbing bumper. Blades are chrome-plated to resist rust and sap. Maximum cutting capacity is 1-3/4", 31-1/2" overall length. **Lifetime Warranty.** Ship wt 3 lb.

AML32	**$68.45**	**3+ $66.36**	**6+ $65.05**

2"
Capacity
41300
LIFETIME WARRANTY

LEONARD PROFESSIONAL LIFETIME LOPPERS

Offering a longer reach with more leverage and a **Lifetime Warranty.** This design delivers ultimate control and power to cut limbs up to 2" in diameter without bruising. SK-5 High Carbon steel blades are hard chrome plated to resist rust and last a lifetime, just like our standard loppers, only BIGGER. Plus, the bigger and stronger tubular aluminum alloy handles have comfortable molded composite grips. Replaceable blades. Huge 2" cutting capacity. Choose your handle length for optimal performance!

Item	Overall Length	Ship wt	Price	3+	6+
41300	30"	4 lb	**$75.12**	**$73.09**	**$71.83**
41340	34"	4.2 lb	**$78.80**	**$76.67**	**$75.34**
SP2-413	Repl. Blade	–	**$28.24**	**–**	**–**

https://youtu.be/-UO8JizVaT4

39280
39240
39200

LEONARD PROFESSIONAL LIFETIME LOPPERS, 1.5” CUTTING CAPACITY

Lifetime Warranty and absolutely the best loppers you can buy for the price! This design delivers ultimate control and power to cut limbs up to 1.5” in diameter without bruising. SK-5 High Carbon steel blades are hard chrome plated to resist rust and last a lifetime. Strong tubular aluminum alloy handles have comfortable molded composite grips. Replaceable cutting blades have a sharp 4” cutting edge. Choose your handle length for optimal performance! **Lifetime Warranty.**

LIFETIME WARRANTY

1 1/2” Capacity

Item	Overall Length	Ship wt	Price	3+	6+
39200	20”	2.2 lb	**$64.39**	**$62.33**	**$61.04**
39240	24”	2.4 lb	**$68.80**	**$66.60**	**$65.22**
39280	28”	2.6 lb	**$74.80**	**$72.41**	**$70.91**
SP2-392	Repl. Blade	–	**$19.46**	**–**	**–**

2 1/8” Capacity

☆☆☆☆☆

"How have I lived this long without these loppers! They are so light for their size and have EASILY cut everything I've put them to. The only thing to be unhappy about is that I didn't have them sooner."
Emily, CA

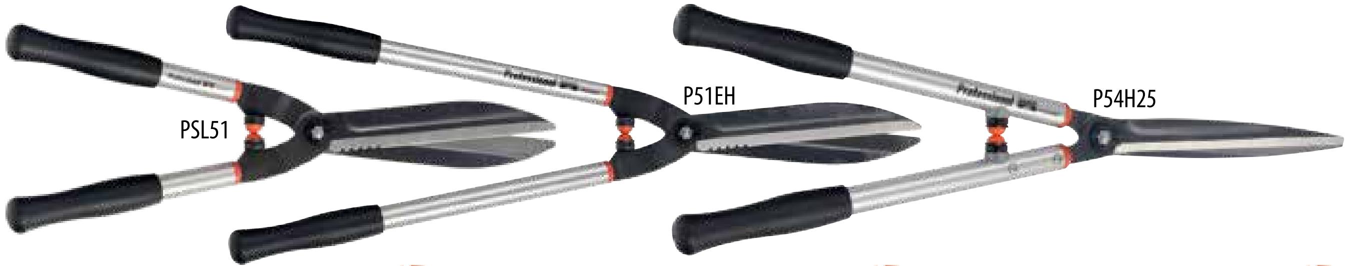
LEONARD COMPOUND ACTION BYPASS LOPPERS

LIFETIME WARRANTY

Professional grade bypass loppers deliver high capacity and ease of use! Lifetime warranty. The unique design of these loppers utilizes a pivot link to create additional leverage for easier cutting of large limbs. High carbon steel is heat-treated to make cutting blades that offer durable clean-cutting performance. Replaceable blades make this a great long-term value. These loppers are equipped with strong tubular aluminum handles and comfort-molded grips. Maximum cutting capacity is 2-1/8”, overall length is 32”. Ship wt 3.5 lb. **Lifetime Warranty.**

C850		**$88.90**	**3+ $86.06**	**6+ $84.28**
C850BL	Repl. Blade	**$18.95**		

EUROPEAN MADE BAHCO HEDGE SHEARS



BAHCO SUPER LIGHT PROFESSIONAL HEDGE SHEARS

Lower weight due to the extremely strong, yet light aluminum handles. Fully hardened blades create strength and lasting sharpness while the smooth contoured grips and shock absorbing bumpers reduce fatigue. Partly serrated blades aid when cutting thick branches, up to 3/8". 23" overall length. 2.2 lb.

PSL51 $78.24 3+ $77.25 6+ $76.63

BAHCO PRO SUPER LIGHT EXTENDED HEDGE SHEARS

Super light series hedge shear is built with the popular P51 fully hardened 9-1/2" cutting blade for long lasting sharpness, and is finished off with very light, yet strong aluminum handles. Smooth black grips, soft shock absorbers, and double locking pivot bolt. 29" overall length. Ship wt 4 lb.

P51EH $99.40 3+ $96.50 6+ $94.68

BAHCO PRO SUPER LIGHT SLIM BLADE HEDGE SHEARS

Super slim blades and high-tech aluminum handles combine to offer a well balanced and light shear for leaf cutting and plant shaping. Quick action, smooth cutting 10" blades. Soft shock absorbers. Double locking pivot bolt. 26" overall length. Ship wt 3 lb.

P54H25 $98.40 3+ $96.58 6+ $95.43

CLASSIC BAHCO HEDGE SHEAR

The old standby, with 9" cutting blade, hardwood handles, serrated limb notch area and rubber shock absorbers. 21" overall length. Ship wt 3 lb.

P57W $68.38 3+ $67.22 6+ $66.49

BAHCO TRADITIONAL HEDGE SHEARS

Lightweight, well-balanced cutting ease. Sharp, hollow ground 9-1/2" blades with 5/8" cutting capacity. Locking pivot bolt, tubular steel handle, and rubber shock absorbers. 23" overall length. Ship wt 3 lb.

P51S $79.80 3+ $78.80 6+ $78.18

BAHCO HORIZONTAL LAWN SHEARS

Trim around trees, borders, etc. 8", Xylan coated, anti-rust blades. 36" handles, 44" overall length, self-adjusting pivot bolt. 5 year guarantee. Ship wt 5 lb.

P74 $82.67 3+ $81.01 6+ $79.98

BAHCO VERTICAL EDGING SHEARS

7-1/2", Xylan coated, anti-rust blades. Ideal for trimming lawn and border edges. 33" handles, 37" overall length, self adjusting pivot bolt. 5 year guarantee. Ship wt 4 lb.

P75 $82.18 3+$80.32 6+ $79.16

BAHCO SCISSORS

Cut stems, flowers, plastics, landscape fabrics, burlap, and much more. 2-1/2" cutting blades are serrated for non-slip cutting. Rubberized non-slip handles. 7-3/4" overall length, wt 4 oz. Ship wt .5 lb.

FS75 $20.14

STRONG LEONARD BRAND SHEARS

LEONARD 9" STRAIGHT BLADE HEDGE SHEARS,

These shears balance performance with light weight for comfortable work! SK-5 High Carbon steel straight blades are chrome plated to resist rust and last a lifetime, with serrations at the bottom of one blade that allow for a non-slip clean cut. Tubular aluminum alloy handles have comfortable molded composite grips. Shock absorbers and comfort handles save your hands. Choose the length you prefer. **Lifetime Warranty.**

91230	23" overall	Ship wt 2.5 lb	**$63.78**	**3+ $62.19**	**6+ $61.20**
91295	29.5" overall	Ship wt 2.8 lb	**$67.63**	**3+ $65.94**	**6+ $64.88**

https://youtu.be/QU68Kiba65U

LEONARD 9" WAVY BLADE HEDGE SHEARS,

These shears balance performance with light weight for comfortable work! SK-5 High Carbon steel wavy blades are chrome plated to resist rust and last a lifetime. The wavy edge design holds twigs while cutting to prevent slipping and to ensure a uniform finish. Produces smooth, even cutting of hedges, pines, vines, etc. Tubular aluminum alloy handles have comfortable molded composite grips. Shock absorbers and comfort handles save your hands. Choose the length you prefer. **Lifetime Warranty.**

92230	23" overall	Ship wt 2.5 lb	**$66.12**	**3+ $64.26**	**6+ $63.10**
92295	29.5" overall	Ship wt 2.8 lb	**$67.98**	**3+ $65.80**	**6+ $64.45**

LEONARD PREMIUM MULTI-PURPOSE SCISSOR

A high quality scissors that are built double-tough! The blades are extra thick, and produced from carbon steel which creates a strong tool with long lasting cutting edges. The black oxide coating resists rust and corrosion. Sharp enough to cut fabrics, strong enough to cut leather, burlap, ground cover, stems, supplies and more. One pointed blade to penetrate fabric, and one rounded for strength and safety. Orange coated handles provide a sure grip. 3" cutting edge, 8-5/8" length, 11.8 oz wt. Made in Italy. **Lifetime Warranty.**

4260	**$41.85**	**3+ $40.78**	**6+ $40.12**

LEONARD SHEEP SHEAR WITH VINYL-COATED GRIPS

A trusted design for over a century! This Leonard Sheep Shear features angled, tempered steel blades. These hollow-ground blades measure 5-3/4" in length. We added vinyl-coated grips to the handles of these shears. These orange grips provide slip-resistance and insulate the steel. The traditional sheep shear has been a popular tool for well over a century. These versatile shears tackle a wide range of cutting and trimming tasks. Their angled design contacts with only the cutting edge, reducing friction and wear to the blade. This design also eliminates problems caused by sap buildup within the blade. We have our shears produced in an area of Italy known for their cutlery. The design of these shears results in no individual parts to wear out or loosen over time. Pick up a pair today and discover how versatile they can be!

70P	**$36.36**	**3+ $35.61**	**6+ $35.14**

OK216
OK217
OK205

OKATSUNE 6" BLADE HEDGE SHEARS, 20" OVERALL LENGTH

Japanese sword steel delivers maximum sharpness for clean cuts; wooden handles make for comfortable handling. These light hedge shears deliver smooth, precise cuts regardless of the foliage you are pruning. Eliminates crushing and chewed cuts. Blades are made from hot hammer-forged Izumo Yasuki Steel, which is used in the making of Japanese swords. This steel gives the shears maximum sharpness and cutting power. Ultrahigh on the Rockwell scale, the tempered steels measures a Rockwell hardness of 60. 6" blade; 20" overall length; weight of 1.8 lbs.

Item	Blade Size	Overall Length	Ship wt	Price	3+	6+
OK216	6″	20″	2 lb	**$108.26**	**$104.97**	**$102.91**
OK217	7″	21″	2 lb	**$118.36**	**$114.80**	**$112.58**
OK205	7-5/8″	30″	4.5 lb	**$119.99**	**$116.47**	**$114.27**

ARS TOPIARY-SHRUB HEDGE SHEARS

Specifically designed for professional manicuring and sculpting of shrubs and topiaries, these hedge shears are razor sharp, super light, and built for continued use. The high carbon tool steel, Marquench hardened blades stay sharp cut after cut. The shears are super-lightweight (just over 1 lb) and have a smooth operation with a larger shock absorbers for comfortable continued use. Blades are replaceable. Ship wt 2 lb.

KR1000 **$135.98**

ARS ULTIMATE HEDGE SHEARS

Unbelievable cutting power tames the toughest hedges! Quality crafted 7-1/4″ blades from genuine Japanese sword steel — hollow ground, with a beautiful mirror finish for smoother cuts. Incredibly sap and rust resistant! Wood handles. Ship wt 3 lb.

ARS25	28-1/2″ overall length	**$96.89**
ARS26	23″ overall length	**$89.93**

https://youtu.be/ojxCNu9rb7E

EXTREMELY LIGHT!

ARS SUPER LIGHT SHEARS

Unique ergonomic design features specially curved, 6-3/4″ nickel coated carbon steel blades for a sure, secure bite. Special pivot bolt for fine adjustment of blade torque. 19-1/2″ overall length. Ship wt 2 lb.

ARS8R **$79.41** **3+ $78.40** **6+ $77.77**

TELESCOPES To 41-1/2"

ARS TELESCOPING HEDGE SHEARS

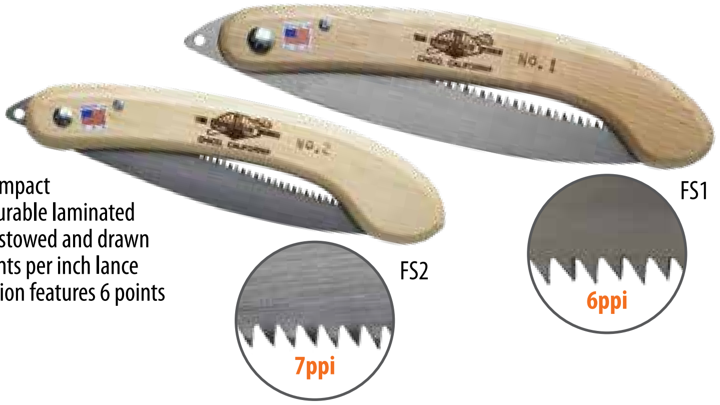
Like having three shears in one! Precision quality shears extend for tall or deep shrubs. Provide extra leverage for easier cutting. Light-weight aluminum handles have easy to use push button springs that lock handles securely into place. The overall height of the unextended shears is 28-1/4″, the first extension measures 35″ and the last extension is 41-1/2″ for a super long reach. 6″ cutting blade. Ship wt 3 lb.

ARS90 **$89.82**

Images not necessarily to scale in relation to each other.
Prices subject to change without notice.

NEW FANNO FOLDING SAWS WITH HARDWOOD HANDLE

Fanno FS Saws are designed for vineyard, orchard, and many other growing and landscaping applications. Known for versatility, this saw has a narrow 19 gauge blade with lance teeth enable cutting in tight areas. Length of the cutting edge is available in 8-1/2" and 10-1/2" lengths. The blades fold for compact storage allowing to user to easily and safely carry the saw. Equipped with a durable laminated hardwood handle. This smooth handle design reduces drag and can easily be stowed and drawn from pants pockets and cargo pockets. The 8-1/2" blade option features 7 points per inch lance teeth and is equipped with a 9-1/2" hardwood handle. The 10-1/2" blade option features 6 points per inch and is equipped with a 11-1/2" hardwood handle.

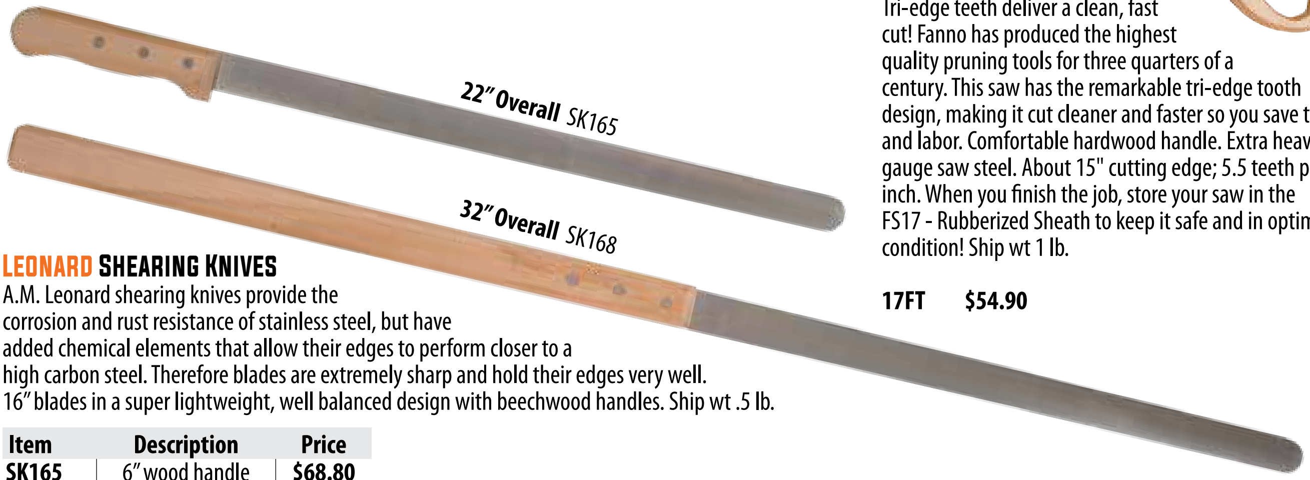


FS2	8-1/2" blade with 7ppi	**$23.05**
FS1	10-1/2" blade with 6ppi	**$25.49**

FANNO TREE SURGEON 22" PUSH CUT TREE SAW

Fanno No.8 push cut tree saw is designed for tree surgery. A must have saw for any tree service company and also applies for the power and telephone industry. Doubling as a great general purpose pruning saw, ideal for everyday use. This 22" fixed saw cuts on the push stroke. Featuring 5.5 lance teeth per inch. Equipped with a contoured laminated hardwood handle that has been sealed to withstand the elements and provide years of service. Ship wt 1.5 lb.

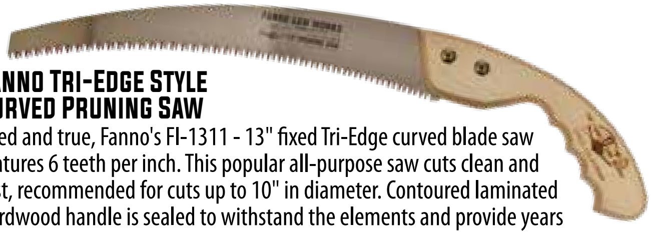
8FA	**$55.82**	**3+ $55.43**	**6+ $55.18**



LEONARD SHEARING KNIVES

A.M. Leonard shearing knives provide the corrosion and rust resistance of stainless steel, but have added chemical elements that allow their edges to perform closer to a high carbon steel. Therefore blades are extremely sharp and hold their edges very well. 16" blades in a super lightweight, well balanced design with beechwood handles. Ship wt .5 lb.

Item	Description	Price
SK165	6" wood handle	**$68.80**
SK168	16" wood handle	**$73.84**



FANNO TRI-EDGE STYLE CURVED PRUNING SAW

Tried and true, Fanno's FI-1311 - 13" fixed Tri-Edge curved blade saw features 6 teeth per inch. This popular all-purpose saw cuts clean and fast, recommended for cuts up to 10" in diameter. Contoured laminated hardwood handle is sealed to withstand the elements and provide years of service. Ship wt 1 lb.

PS13	Saw	**$39.80**	**3+ $39.04**	**6+ $38.57**
PSTB	Repl. Blade	**$22.89**		

FANNO TRI-EDGE PRUNING SAW, 15" CURVED BLADE

Tri-edge teeth deliver a clean, fast cut! Fanno has produced the highest quality pruning tools for three quarters of a century. This saw has the remarkable tri-edge tooth design, making it cut cleaner and faster so you save time and labor. Comfortable hardwood handle. Extra heavy gauge saw steel. About 15" cutting edge; 5.5 teeth per inch. When you finish the job, store your saw in the FS17 - Rubberized Sheath to keep it safe and in optimal condition! Ship wt 1 lb.

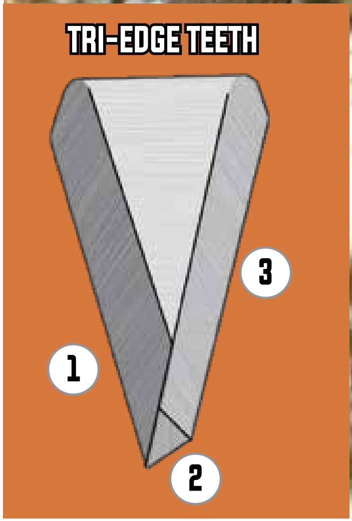
17FT	**$54.90**

FANNO 13" FIXED TRI-EDGE SAW WITH 30" LONG REACH HANDLE

For hard to reach areas. The heavy guage 13" curved steel blade has 6 tri-edge teeth per inch. The extra long 30" handle makes this saw very versatile. Ideal for working with thorny ornamentals, cutting Christmas trees, sawing roots during tree removal, and more! Professionals value this long reach saw in tree care, grounds maintenance, and landscaping applications. This contoured laminated hardwood handle is sealed to withstand the elements and provide years of service. Ship wt 2 lb.

F1330	Saw	**$54.90**	**3+ $54.21**	**6+ $53.78**
PSTB	Repl. Blade	**$22.89**		

DELIVERS CLEAN CUTS FAST, AND FOLDS AWAY FOR SAFETY



FOLDS SAFELY AWAY FOR CARRY AND STORAGE:

A950 Folding 360° gif

LIFETIME WARRANTY

LEONARD 9.5" FOLDING SAW

9.5" blade length designed with slight curve and tri-edge teeth for pruning of all types. Delivers clean cuts fast, and then it folds away for safety! Extended handle can be used single handed or with two hands if necessary. Features a hard chrome plated blade for rust resistance. High impact handle material is strong, resisting any breakage. Rubberized handle provides added grip and comfort. Dual action latch locks blade in open or closed position. Ship wt .8 lb

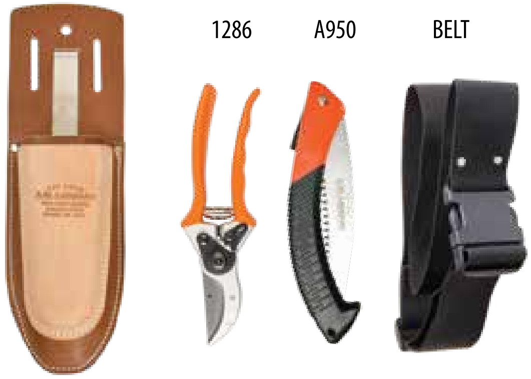
Lifetime Warranty.

A950	**$36.29**	**3+ $35.13**	**6+ $34.40**

Replacement Blade. Ship wt .2 lb

950XB	**$24.74**

☆☆☆☆ "The blade is very effective, the tool is easy to handle and manuever. It slides into your pocket for safe transport in close wooded areas. " – William from IL



LEONARD SHEATH FOR 8" PRUNER AND SAW

Carry pruners and snips at once. Constructed with high-quality leather and metal rivets, built to last.

SCD10 **$32.43**	Sheath **3+ $31.64**	 **6+ $31.15**
SCD10COM **$89.91**	SCD10 + 1286 + A950 **3+ $87.03**	 **6+ $85.23**
SCD10COMB **$93.34**	SCD10 + 1286 + A950 +BELT **3+ $90.35**	 **6+ $88.49**

LIFETIME WARRANTY

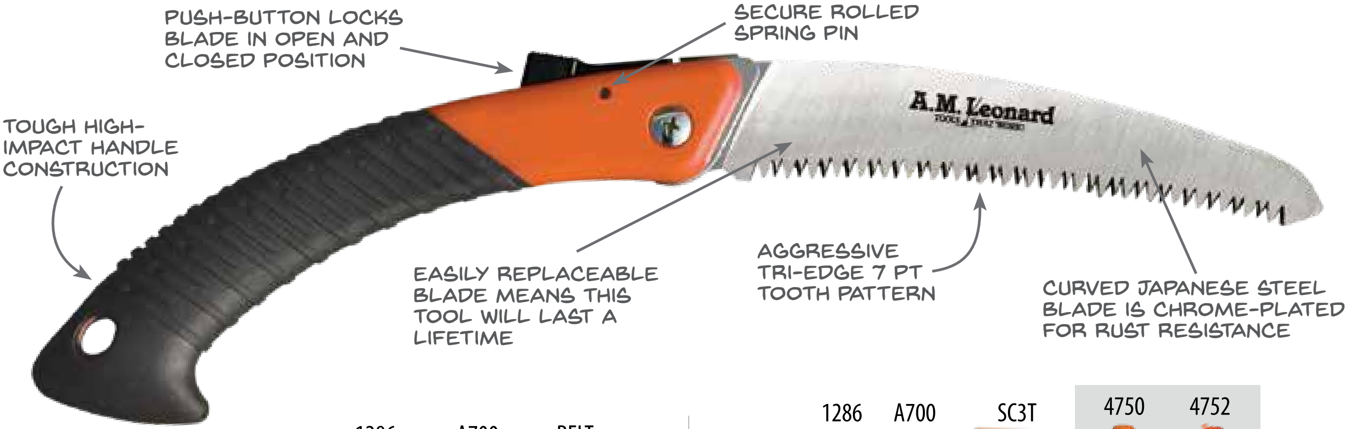
LEONARD 7" TRI-EDGE FOLDING SAW

7" blade length designed with slight curve and 7 point teeth for pruning of all types. Delivers clean cuts, and then it folds for safety! Sharp tri-edge teeth deliver an efficient FAST cut for those branches too big for hand pruners. Lightweight and compact, it makes a great 1-2 punch with our #1286 bypass pruners for everyday use. Blade finished with hard-chrome plating for rust resistance. High impact handle material is strong, resisting any breakage. Rubberized handle provides added grip and comfort. Dual action latch locks blade in open or closed position. Ship wt .5 lb. **Lifetime Warranty.**

A700	**$34.15**	**3+ $33.06**	**6+ $32.37**

Repl. Blade
700XB $18.22

https://youtu.be/y0FAinih-cE

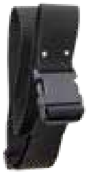

PUSH-BUTTON LOCKS BLADE IN OPEN AND CLOSED POSITION
SECURE ROLLED SPRING PIN
TOUGH HIGH-IMPACT HANDLE CONSTRUCTION
A.M. Leonard
EASILY REPLACEABLE BLADE MEANS THIS TOOL WILL LAST A LIFETIME
AGGRESSIVE TRI-EDGE 7 PT TOOTH PATTERN
CURVED JAPANESE STEEL BLADE IS CHROME-PLATED FOR RUST RESISTANCE

SC89

1286

A700

BELT



LEONARD DOUBLE CASE WITH CLIP AND BELT SLOT

Strong leather dual pouch case keeps your favorite pruner and folding saw close at hand and protected during storage.

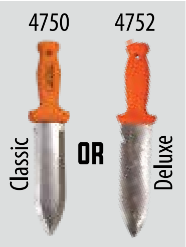
SC89 **$33.74**	Sheath **3+ $32.80**	 **6+ $32.22**
SC89COM **$84.30**	SC89 + 1286 + A700 **3+ $81.60**	 **6+ $79.92**
SC89COMB **$89.12**	SC89 + 1286 + A700 +BELT **3+ $86.41**	 **6+ $84.72**

1286

A700

SC3T

4750 4752


Classic
OR
Deluxe

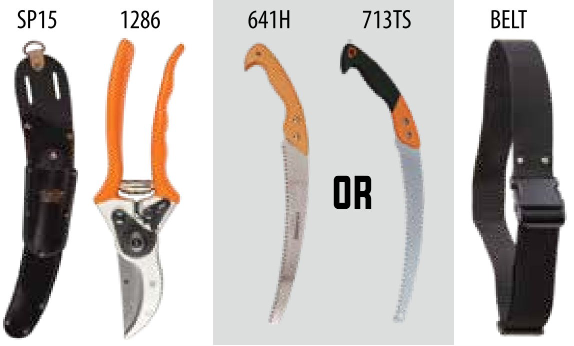
LEONARD SOIL KNIFE, PRUNER, FOLDING SAW, AND SHEATH COMBO

Comes complete with **SC3T** sheath, **A700** 7" folding saw, **1286** bypass pruners and your choice of soil knife.

SC3T **$42.76**	Sheath **3+ $41.96**	 **6+ $41.45**
PK3C **$117.89**	SC3T + 1286 + A700 + 4750 **3+ $114.35**	 **6+ $112.14**
PKSCOM **$120.32**	SC3T + 1286 + A700 + 4752 **3+ $116.81**	 **6+ $114.61**

KEEP YOUR SAW WITHIN REACH!

MAKE IT A COMBO AND SAVE!



LEONARD PRUNER, SAW AND SHEATH COMBO

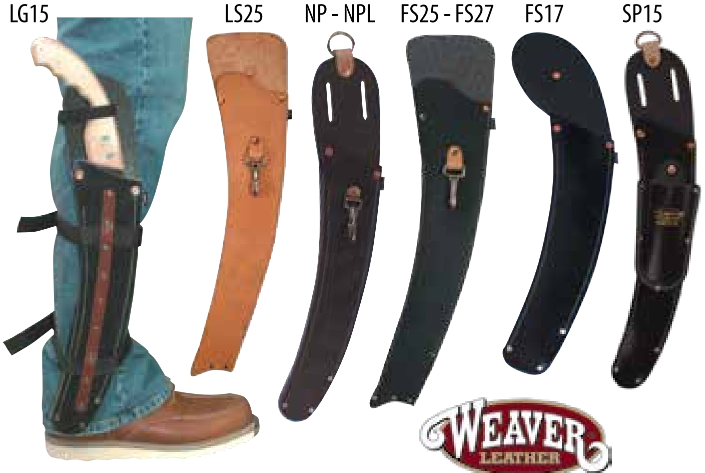
Get our **SP15** fully equipped with our **1286** bypass pruners and your choice of 13" Tri-Edge pruning saw.

Item	Saw	Includes	Price	3+	6+
SP15COMB6	641H	With BELT	**$116.97**	**$113.77**	**$111.78**
SP15COM6	641H	No BELT	**$109.71**	**$106.64**	**$104.72**
SP15COMB7	713TS	With BELT	**$114.10**	**$110.66**	**$108.52**
SP15COM7	713TS	No BELT	**$107.24**	**$103.90**	**$101.81**

LEONARD SAW AND PRUNER SHEATH WITH BELT SLOTS

This rubberized leather pruner and saw sheath keep your tools safely stored and protected, ready to use. Fits most 13" curved blade saws and up to 9" pruners. Slotted design attaches to your belt. Ship wt 1.25 lb. (tools sold separately) **Made in the USA.**

SP15 **$43.55**



PRUNING SAW SCABBARDS

Scabbards protect you and your saw. We offer a wide range of scabbards to fit your needs. All styles feature a ring on back, snap on front.

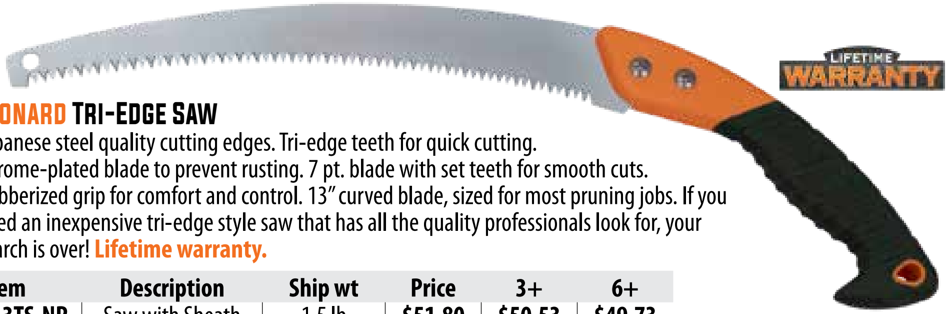
Item	Style	Compatible Saw Item #	Ship wt	Price	3+	6+
NP	Rubberized/ curved	PS13, 641H, 713TS	1 lb	**$31.20**	**$30.65**	**$30.31**
NPL	Leather/ curved	PS13, 641H, 713TS	1 lb	**$39.80**	–	–
FS25	Rubberized/ curved	22FA, K24F, 4534R	2 lb	**$42.21**	**$41.60**	**$41.22**
FS27	Rubberized/ curved	624S, 314SS	3 lb	**$44.09**	**$43.49**	**$43.12**
LS25	Leather/ curved	22FA, K24F, 4534R	2 lb	**$58.70**	**$57.98**	**$57.53**
FS17	Rubberized/ curved	17FT	1 lb	**$28.00**	**$27.54**	**$27.25**
LG15	Leg style	Fits most 13" curved blade	2 lb	**$39.69**	**$38.99**	**$38.56**
SP15	Rubberized/ curved	Fits most 13" curved blade saws with 9" pruners	1 lb	**$43.55**	–	–

WEB BELT FOR PRUNING HOLSTERS

Permanently hang the sheaths and cases you take with you every time you work outside. When you need your tools, just snap the belt on over your waist and go! Adjust to fit right over your sweatshirt or coat, goes on and off in a second! 2" wide belt, adjusts from 29" to 46" with quick release buckle. Ship wt .3 lb.

BELT **$7.22** **3+ $7.06** **6+ $6.95**

TRI-EDGE SAWS CUT QUICKER!



LEONARD TRI-EDGE SAW

Japanese steel quality cutting edges. Tri-edge teeth for quick cutting. Chrome-plated blade to prevent rusting. 7 pt. blade with set teeth for smooth cuts. Rubberized grip for comfort and control. 13″ curved blade, sized for most pruning jobs. If you need an inexpensive tri-edge style saw that has all the quality professionals look for, your search is over! **Lifetime warranty.**

Item	Description	Ship wt	Price	3+	6+
713TS-NP	Saw with Sheath	1.5 lb	**$51.80**	**$50.53**	**$49.73**
713TS	Saw Only	.5 lb	**$32.93**	**$31.88**	**$31.22**
713XB	Replacement Blade	.5 lb	**$16.22**	–	–
NP	Sheath Only	1.25 lb	**$31.20**	**$30.65**	**$30.31**

LEONARD IMPULSE HARDENED PRUNING SAW

Our popular pruning saw, now available with a hardwood handle. Heavy gauge curved blade designed to tackle any pruning task. Tri-edge teeth are impulse hardened, so they stay sharp longer and cut quickly. 7 teeth per inch. Hard chrome plating resists rust and prevents sap buildup for easier cleaning. 12.5″ cutting edge. **Lifetime warranty.**

Item	Description	Ship wt	Price	3+	6+
641H-NP	Saw with Sheath	1.5 lb	**$59.38**	**$57.93**	**$57.03**
641H	Saw Only	.5 lb	**$32.80**	**$31.93**	**$31.39**
641BL	Replacement Blade	.5 lb	**$21.84**	–	–
NP	Sheath Only	1.25 lb	**$31.20**	**$30.65**	**$30.31**

CORDLESS WOOD PRUNING POWER

Blade: 5 teeth per inch

BOSCH 18V D-HANDLE RECIPROCATING SAW KIT

A complete kit for cordless, compact wood pruning power! The Bosch 18-Volt D-Handle Reciprocating Saw measures 17-3/4" long and weighs only 6-1/2 lb. This saw delivers an efficient 1-1/8" stroke and with the RP95 wood pruning blades installed, makes quick work of pruning (sold separately). A variable speed trigger eases the blade into the material to reduce kickback. Two speed ranges match the cut of the material. Bosch's Lockjaw™ system allows for fast, one-handed blade changes. **Kit includes: Saw, CORE18V Lithium-Ion 4.0 Ah Compact Battery, 18V Fast Battery Charger, (2) Bi-Metal Reciprocating Saw Blades, and a carrying bag.** Ship wt 12 lb.

Item	Description	Shp wt	Price
CRS180-B15	Saw Kit	11.8 lb	**$259.82**
CRS180B	Saw only	7.5 lb	**$129.65**
GXS18V	Battery & Charger only	3.2 lb	**$144.87**
RP95	Wood Pruning Blades 5pk	.7 lb	**$17.94**

HIGH-QUALITY ALTERNATIVE GRIP DESIGNS

CORONA RAZOR TOOTH FOLDING SAWS

This Razor Tooth Pruning Saw blasts through larger branches with ease. Use it for faster, cleaner, smoother, easier cutting of either green or hard, dead, and frozen limbs. Each whetstone-ground razor tooth is sharpened with 3 angles for a blade that cuts twice as fast as conventional saws.

Item	Blade Type	Ship wt	Price	3+	6+
RS7245	7" Saw	.6 lb	**$28.99**	**$28.58**	**$28.32**
72451	7" Replacement blade	.1 lb	**$22.45**	**$22.18**	**$22.00**
RS7265	10" Saw	1 lb	**$31.99**	**$31.60**	**$31.35**
AC7265	10" Replacement blade	.1 lb	**$23.56**	–	–

BAHCO HARD POINT TRI-EDGE FOLDING SAW

Designed for fast cuts in hard or dry wood. Cuts 1"- 4" branches. Tooth design helps prevent sticking for a deeper, faster cut. Stays sharp four times longer than fileable blades. 7.5" folding blade. Ship wt .5 lb.

396HP	Saw	**$39.56**	**3+ $38.54**	**6+ $37.91**
396HPBLADE	Blade	**$19.80**		

BAHCO FINE CUT TRI-EDGE FOLDING SAW

Designed for extremely smooth cutting, especially in soft or green wood. Cuts 1"- 4" branches. 7.5" locking blade folds for carrying. Ship wt .5 lb.

396JT	Saw	**$37.23**	**3+ $36.56**	**6+ $36.14**
396JTBLADE	Blade	**$25.88**		

BAHCO BOW SAWS

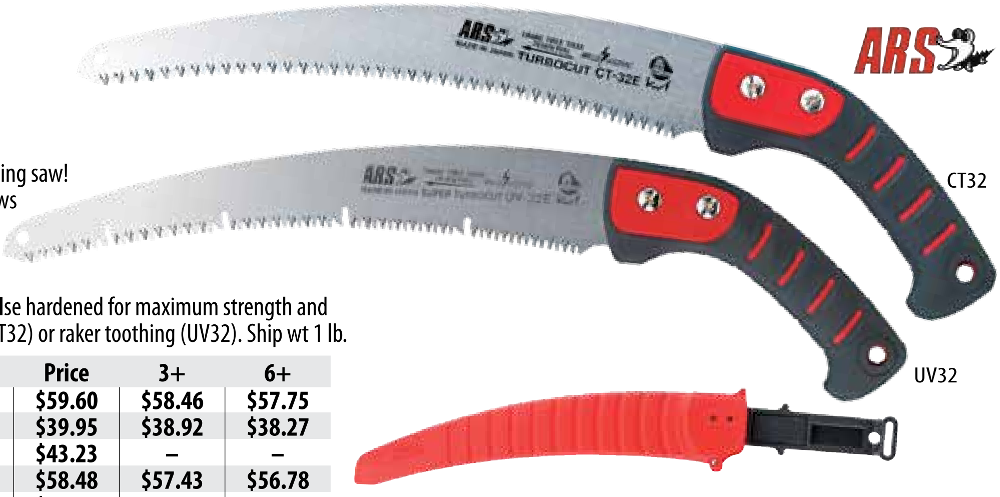
21" saw with tubular steel frame, contour lever lock. Plastic handle, pointed nose. Peg tooth pattern blade for cutting dry and green wood is included with saw. (Raker tooth saw blade for cutting green wood, sold separately.)

Item	Description	Ship wt	Price
3914	21" Saw with Peg Tooth Blade	2 lb	**$19.56**
XB21	21" Raker Tooth Blade Only	.5 lb	**$12.35**

BAHCO PROFESSIONAL BOW SAW

Tubular frame saw with full bow at both ends. Saws come with raker blades. (Additional raker or peg tooth blades sold separately, not pictured.)

Item	Description	Ship wt	Price
924BS	24" Saw with Raker Blade	2 lb	**$22.22**
XB24	24" Raker Blade Only	.5 lb	**$14.19**
930BS	30" Saw with Raker Blade	2 lb	**$35.99**
XB30	30" Peg Tooth Blade Only	.5 lb	**$13.54**



ARS ARBORIST SERIES SAW

Everything you need in a high quality pruning saw! The signature series 13" curved arborist saws feature a rubber-padded grip design for non-slip grip and ultimate comfort. The blade is hard chrome-plated for rust and sap resistance, and the teeth are impulse hardened for maximum strength and durability. Available with even toothing (CT32) or raker toothing (UV32). Ship wt 1 lb.

Item	Description	Price	3+	6+
CT32	Even toothing w/ sheath	**$59.60**	**$58.46**	**$57.75**
CT32-P	Even toothing - no sheath	**$39.95**	**$38.92**	**$38.27**
SBCT32	Replacement Blade for CT32	**$43.23**	–	–
UV32	Raker toothing w/ sheath	**$58.48**	**$57.43**	**$56.78**
UV32-P	Raker toothing - no sheath	**$31.85**	–	–
SBUV32	Replacement Blade for UV32	**$40.96**	–	–

ARS PRO SERIES STRAIGHT SAW

Impulse hardened teeth last three times longer than standard teeth. Precision ground blades for an incredibly sharp edge. Hard chrome plating provides a smoother surface and prevents rust. 9-1/2" blade, 16" overall length. Ship wt .5 lb.

CM24 **$68.43** **3+ $67.15** **6+ $66.36**

ARS FOLDING SAW FOR TOUGH JOBS

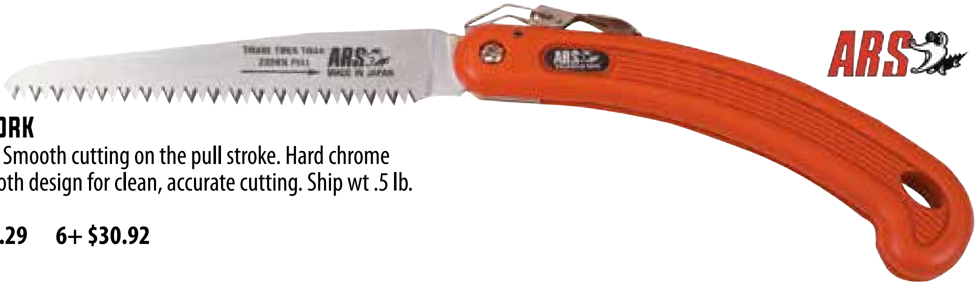
High carbon steel 7" blade with hard chrome plating. Blade is thickened on the backside for added strength, for more demanding sawing. Rubberized grip. Locks in the open or closed position. Ship wt .5 lb.

GR17	Saw	**$46.28**	**3+ $45.64**	**6+ $45.24**
SBGR171	Repl. Blade	**$34.63**		

ARS PRECISION LONG BLADE FOLDING SAW

This handy saw cuts up to 4" diameter branches on the pull stroke. High carbon steel 7" blade has hard chrome plating; the locking poly handle also delivers. Similar to the 210DX, with a longer blade. 7" blade. Ship wt .5 lb.

PS18F	Saw	**$41.17**	**3+ $40.39**	**6+ $39.91**
SBP181	Repl. Blade	**$27.03**		



ARS FOLDING SAW FOR PRECISION WORK

High carbon tool steel, taper ground 6" blade. Smooth cutting on the pull stroke. Hard chrome plating, for rust and sap resistance. Unique tooth design for clean, accurate cutting. Ship wt .5 lb.

210DX	Saw	**$31.88**	**3+ $31.29**	**6+ $30.92**
SB211	Repl. Blade	**$26.83**		

SILKY BIG BOY FOLDING SAW

Silky's large, multi-purpose BIGBOY saw is every outdoor worker's dream. With its 14.2" blade and rubber-cushioned, double-fist handle, you'll have all the cutting power you need waiting right in your back pocket. Suitable for cutting green or dried wood. Separate black sheath attaches to tool belt or a climbing saddle and holds all BIGBOY folding saws.

35636	Saw	**$76.99**
50436	Sheath	**$37.99**
35736	Repl. Blade	**$51.99**

Sheath features a guide wheel to protect both blade & sheath

SILKY ZUBAT WITH SHEATH

Professional, heavy-duty 13" curved blade saw offers faster cutting speed with less effort. Ultra-strong one-piece construction with non-slip molded rubber handle. 6.4 teeth per inch. Includes scabbard. Ship wt 2 lb.

27033	Saw	**$90.99**
27133	Repl. Blade	**$62.47**

SILKY SUGOI 360

Professional arborist saw with a razor-sharp and ultra-fast 14.5" curved cutting blade. Perfectly balanced, rugged, one piece construction with a large precision cut tooth pattern. Custom high-visibility plastic scabbard that can be attached to the belt or leg included. Ship wt 2 lb.

39036	Saw	**$103.99**
39136	Repl. Blade	**$77.99**

SILKY SUPER ACCEL FOLDING SAW

For aggressive cutting! Lightweight, with a razor-tooth blade that locks into two different angles for easy cutting. Teeth have four cutting angles along the length of the blade for fast, clean cuts. Aluminum handle with a comfortable textured-rubber grip. 6.77 induction-hardened teeth per inch. 8.25" chrome-plated blade is taper ground high carbon steel. Ship wt .5 lb.

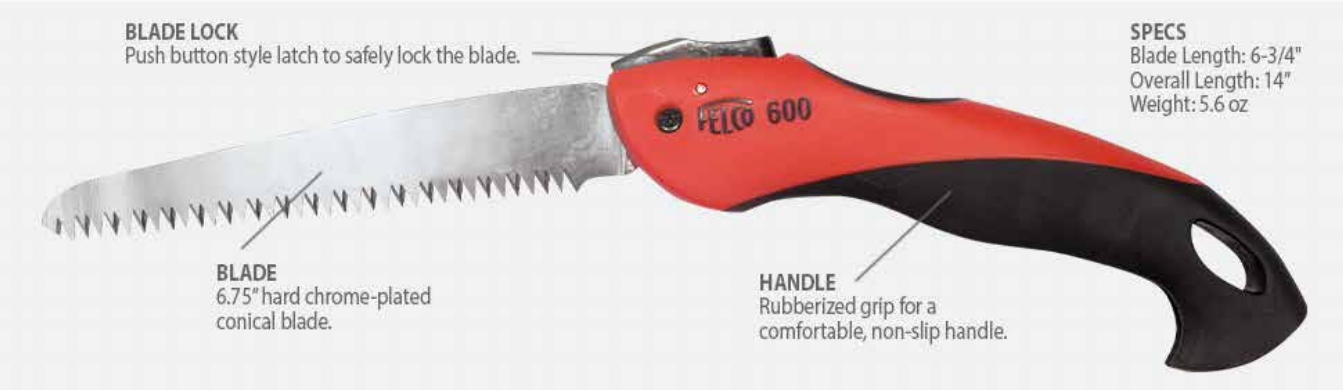
11921	Saw	**$47.99**
12021	Repl. Blade	**$45.52**

SILKY F180 FOLDING SAW

Comfortable and convenient! This multi-purpose saw has a fiberglass polypropylene molded handle with a rubber insert to ensure a comfortable and secure grip. Large tooth pattern cuts quickly through branches and firewood. An ideal cost-effective all-around folding saw that fits easily into your glove box. 6.77 induction-hardened teeth per inch. 7" blade is chrome-plated and taper ground high carbon steel. Wt 8 oz. Ship wt .5 lb.

143-18	Saw	**$37.99**
14418	Repl. Blade	**$31.36**

QUALITY EUROPEAN HAND SAWS


BLADE LOCK
Push button style latch to safely lock the blade.
FELCO 600
SPECS
Blade Length: 6-3/4"
Overall Length: 14"
Weight: 5.6 oz
BLADE
6.75" hard chrome-plated conical blade.
HANDLE
Rubberized grip for a comfortable, non-slip handle.

FELCO 600 6.3" FOLDING PULL-STROKE PRUNING SAW

Felco's compact yet rugged folding saw delivers extremely fast cutting of large diameter branches. A 6.3" chrome plated blade cuts on the pull-stroke. A concave blade shape with an optimized teeth setting provide excellent clean out to ensure that sap and sawdust do not become an obstacle when cutting. The proprietary heat treated saw teeth provide a long lasting and high-performing cutting edge. A comfortable ergonomic, soft touch grip handle allow for a powerful grip and confident one-handed use right or left-handed. Intuitive blade-locking system allows the Felco 600 to be safely carried and stored. Unfolded overall tool length of 13.78". Lifetime Warranty. Ship wt 0.4 lb.

F600	Saw	**$29.84**
6003	Replacement blade	**$23.88**

FELCO CURVED PULL-STROKE PRUNING SAW

Felco's curved, fixed blade pruning saw provides exceptional efficiency and produce clean cuts. Make quick work of large diameter branches from nearly any position or angle. Use right or left-handed, overhead or from any angle. The soft touch, non-slip handle quickly becomes an extension of the hand to provide a confident grip. A hollow ground, chrome platted steel blade cuts on the pull-stroke. The impulse hardened teeth offer a long life of smooth cutting. Teeth are arranged in a high performance tooth setting to ensure excellent clean out and virtually eliminate binding. A durable hard shell plastic sheath is included with each saw purchase. The sheath features an innovative locking system to ensure the saw stays in the sheath until ready for use and is equipped with a velcro strap to hold the sheath closely against the leg. Blades are replaceable. Lifetime Warranty.

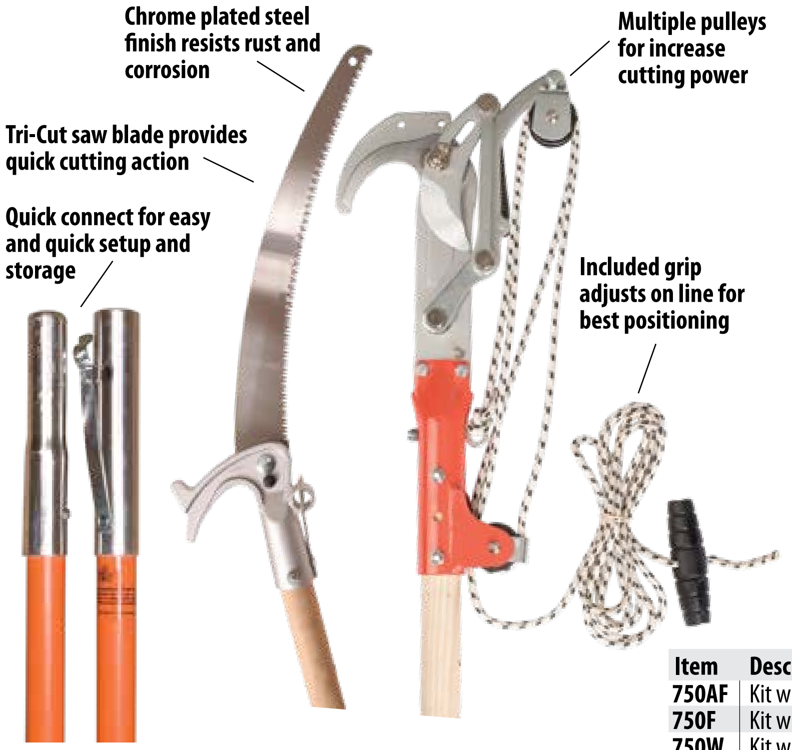
Item	Blade Type	Ship wt	Price
F630	13" curved blade	1 lb	**$59.82**
F630B	13" Repl. blade	.5 lb	**$38.42**
F640	10.6" curved blade	1 lb	**$57.62**
F640B	10.6" Repl. blade	.5 lb	**$35.41**

FELCO STRAIGHT PULL-STROKE PRUNING SAW

Felco's straight, fixed blade pruning saw features a tapered shape that is easy to position between growth, leaving no branch out of reach. The practical, low friction straight blade cuts on the pull-stroke to make quick work of large diameter branches. A hollow ground, chrome platted steel blade with impulse hardened teeth offer a long life of smooth cutting. Teeth are arranged in a high performance tooth setting to ensure excellent clean out and virtually eliminate binding. Stability, comfort, and a confident grip are provided by the ergonomic soft touch handle. This saw quickly becomes an extension of the hand. Use right or left-handed, overhead or from any angle. A durable hard shell plastic sheath is included with each saw purchase. The sheath features an innovative locking system to ensure the saw stays in the sheath until ready for use and is equipped with a velcro strap to hold the sheath closely against the leg. Blades are replaceable. Lifetime Warranty.

Item	Description	Ship wt	Price
F611	13" Saw with Sheath	1.5 lb	**$54.68**
611-3	Replacement Blade	.5 lb	**$42.84**
F621	9.5" Saw with Sheath	1.5 lb	**$53.22**
621-3	Replacement blade	.5 lb	**$37.68**

CUT SAFELY FROM THE GROUND


Chrome plated steel finish resists rust and corrosion
Tri-Cut saw blade provides quick cutting action
Quick connect for easy and quick setup and storage
Multiple pulleys for increase cutting power
Included grip adjusts on line for best positioning

LIFETIME WARRANTY

1 3/4" Capacity

LEONARD POLE PRUNER AND SAW COMBOS

Made to our specifications. The best pole pruner combination at the best price. Generous 1-3/4" cutting capacity. Pruner is equipped with multiple pulley operation for extra leverage on large cuts. The cutting blade is made from high quality Japanese steel for long lasting sharpness. Bypass pruner is equipped with a sap groove to keep cutting area clear of excess buildup. The combination comes complete with our most popular pole saw head, two 6' sectional poles, mounted adapters and rope. Choose hollow core fiberglass or kiln dried Western Hemlock poles. Ship wt 4 lb. **Lifetime Warranty.**

Orange

Yellow

Wood

Item	Description	Price	3+	6+
750AF	Kit with orange fiberglass poles	**$201.05**	**$198.23**	**$196.47**
750F	Kit with yellow fiberglass poles	**$216.05**	–	–
750W	Kit with hemlock wood poles	**$181.05**	**$177.93**	**$175.97**
750CH	Pruner head with 20' rope & adapter	**$86.90**	**$84.12**	**$82.38**

1 3/4" Capacity

LIFETIME WARRANTY

LEONARD POLE PRUNER KIT WITHOUT SAW

This kit includes AML Brand pruning head with two 6' sectional poles, and offers a generous 1-3/4" cutting capacity. Equipped with 2-pulley operation for extra leverage on large cuts. Our cutting blade is made from high quality hardened steel for long-lasting sharpness. Also, the bypass pruner is equipped with a sap groove to keep the cutting area clear of excess buildup. Choose hollow core fiberglass or kiln dried Western Hemlock poles. **Lifetime Warranty.**

Item	Description	Price	3+	6+
750AFNS	Kit with orange fiberglass poles	**$169.39**	**$165.40**	**$162.90**
750FNS	Kit with yellow fiberglass poles	**$184.39**	–	–
750WNS	Kit with hemlock wood poles	**$149.39**	**$145.09**	**$142.40**
750CH	Pruner head with 20' rope & adapter	**$86.90**	**$84.12**	**$82.38**

Orange

Yellow

Wood

LIFETIME WARRANTY

LEONARD POLE PRUNER HEAD

Made to our specifications. The best pole pruner combination at the best price. Generous 1-3/4" cutting capacity. Pruner is equipped with multiple pulley operation for extra leverage on large cuts. The cutting blade is made from high quality Japanese steel for long lasting sharpness. Bypass pruner is equipped with a sap groove to keep cutting area clear of excess buildup. Ship wt 4 lb. **Lifetime Warranty.**

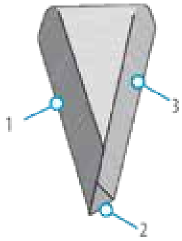
1 3/4" Capacity

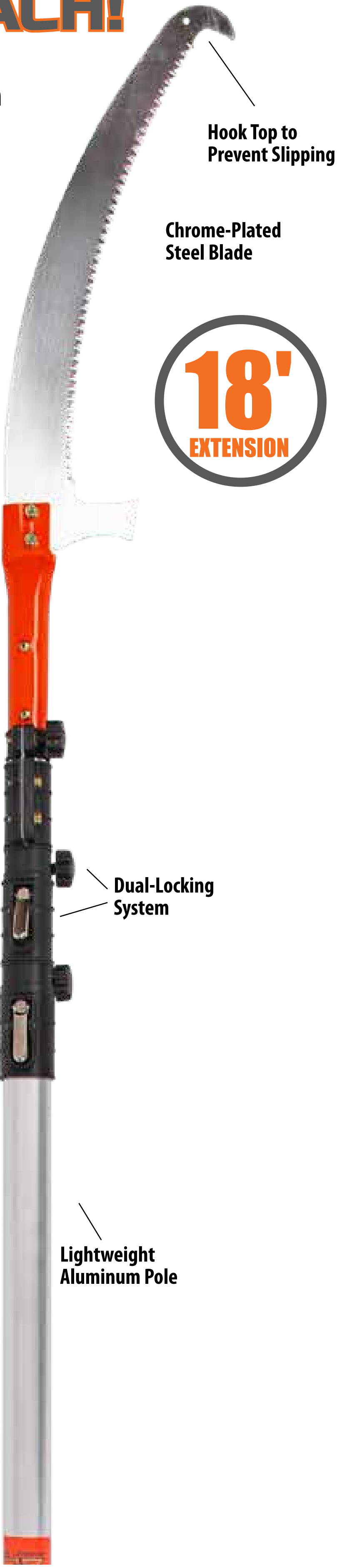
750CH	Pruner Head with Adapter (750P + A16W)	**$86.90**	**3+ $84.12**	**6+ $82.38**
750P	Pruner Head Only (No Adapter)	**$49.99**		
A16W	1-1/4" Adapter Only	**$6.60**	**3+ $6.50**	**6+ $6.44**

Pole end features pre-drilled hole for pole locking pin.
A16W

MAXIMUM CUTTING REACH!

Tri-Edge Teeth




Hook Top to Prevent Slipping
Chrome-Plated Steel Blade
18'
EXTENSION
Dual-Locking System
Lightweight Aluminum Pole

LEONARD 4 SECTION ALUMINUM 18' TELESCOPIC POLE SAW

Leonard professional 4-section aluminum alloy telescopic pole adjusts from 6-1/2' to 18' in length. The oblong tube shape provides strength and rigidity. The tube shape and rubberized bottom sleeve offer slip resistance for good control during use. Pole sections feature a dual locking system by use of spring levers with locking pins as well as tensioning knobs. Multiple locking positions along the length for proper height adjustment. Our Leonard pole saw head features a fast cutting 16" blade with 5-1/2 Teeth per inch. Tri-edge tooth design cuts quickly and cleanly. The blade features a hook top design to prevent slipping out of the cut. The lower cutter undercuts bark and also helps keep the blade in the cut. Equipped with fitted plastic storage sheath. Wt 8.5 lb

18TPS **$249.48** **3+ $242.06** **6+ $237.43**

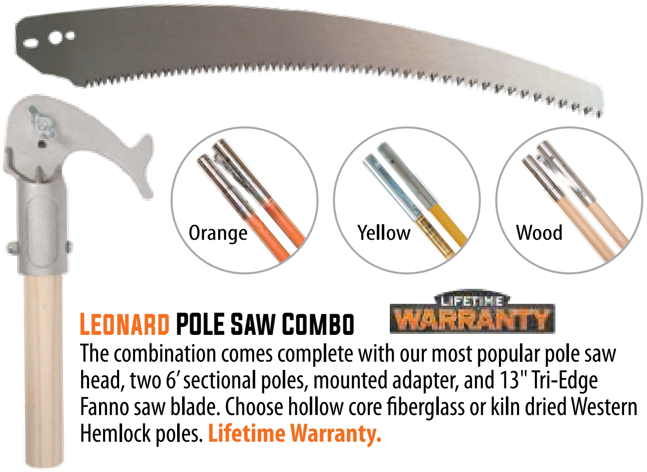
Replacement Blade
XBP16 **$39.91**

LIGHTWEIGHT AND EXTREMELY DURABLE

LEONARD SECTIONAL POLES

Extend your reach or to update your old pole pruners! Hollow core fiberglass is strong yet light. Sectional poles have a female ferrule on the top end, and male on the bottom. The base pole features a heavy-duty rubber boot on the bottom end. Ship wt 3 lb.

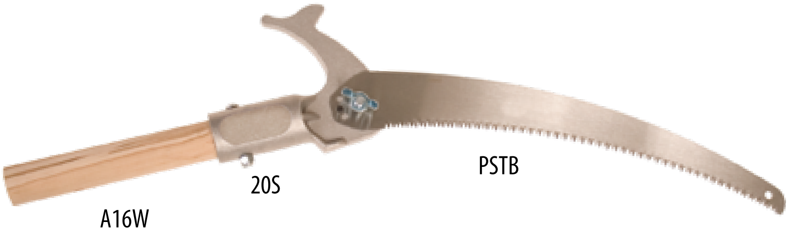
Item	Description	Length	Price	3+	6+
FP400B	Orange Fiberglass Base	4′	**$38.41**	–	–
FP400	Orange Fiberglass Sectional	4′	**$38.41**	–	–
FP600	Orange Fiberglass Sectional	6′	**$48.60**	**$47.76**	**$47.24**
FP600B	Orange Fiberglass Base	6′	**$38.99**	**$38.39**	**$38.01**
603A	Hemlock Sectional	6′	**$37.06**	–	–



LEONARD POLE SAW COMBO

The combination comes complete with our most popular pole saw head, two 6′ sectional poles, mounted adapter, and 13" Tri-Edge Fanno saw blade. Choose hollow core fiberglass or kiln dried Western Hemlock poles. **Lifetime Warranty.**

Item	Description	Price
750WSO	Western Hemlock Wood	**$112.98**
750AFSO	Leonard Orange Fiberglass	**$142.91**
750FSO	Jameson FG Series Fiberglass	**$177.98**

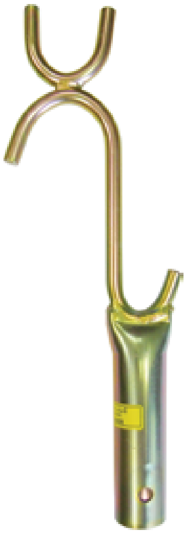


FANNO SAW

Tight, 13″ curve blade draws itself into the cut and cuts faster by making it easier to take a full cutting stroke without pulling the blade out. Now with triple edge teeth for top performance. Socket sold separately below. Ship wt .5 lb.

Pole end features pre-drilled hole for pole locking pin.

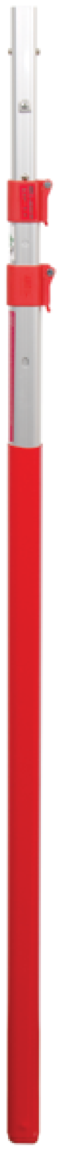
Item	Description	Price	3+	6+
20PS	Saw + Socket	**$46.43**	**$45.06**	**$44.20**
PSTB	Replacement Blade	**$22.89**	**–**	**–**
20S	Socket	**$13.48**	**$13.32**	**$13.21**
20SC	Socket + Wood Adapter	**$13.48**	**–**	**–**
30SC	Socket + Aluminum Adapter (for fiberglass poles only)	**$23.98**	**–**	**–**
A16W	Wood Adapter Only	**$6.60**	**$6.50**	**$6.44**



JAMESON WIRE AND LIMB RAISER

A truly versatile multi-tool! The Jameson Wire and Limb Raiser features a plated steel construction. This hooked multi-tool increases your overall length by 9-1/2". It weighs only 1-1/2 lb. The Jameson Wire and Limb Raiser is great for working around overhead lines. Designed with standard female ferrule, this Raiser attaches to any Jameson or A.M. Leonard Brand Fiberglass Poles. Use it to place cables on rollers during line construction or pull branches away from insulated lines. This tool's dual-hook design offers a multitude of uses. It is excellent for putting up and taking down those hard-to-reach holiday decorations. Let us know your favorite application by submitting a review! ***WARNING: Do not use this tool on or around energized lines!***

WR1 $32.13



LIGHTWEIGHT, DURABLE ALUMINUM WITH QUICK & EASY-TO-USE EXTENSION!

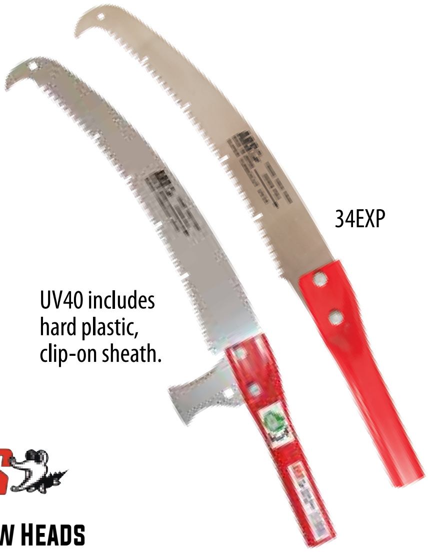
ARS SUPER TURBO™ CUT POLE SAW SYSTEM

Choose the pole you need and your favorite saw blade for a truly custom cut! Super long reach telescoping poles easily and quickly extend to reach the toughest areas. Lightweight, durable aluminum. Use with blades sold below.

4′7" to 10′9". Ship wt 4 lb.
EXP33 $189.90 3+ $186.77 6+ $184.81

6′ to 15′. Ship wt 4 lb.
EXP45 $219.45 3+ $215.54 6+ $213.09

7′ to 18′6". Ship wt 5 lb.
EXP55 $231.99 3+ $227.88 6+ $225.30



UV40 includes hard plastic, clip-on sheath.

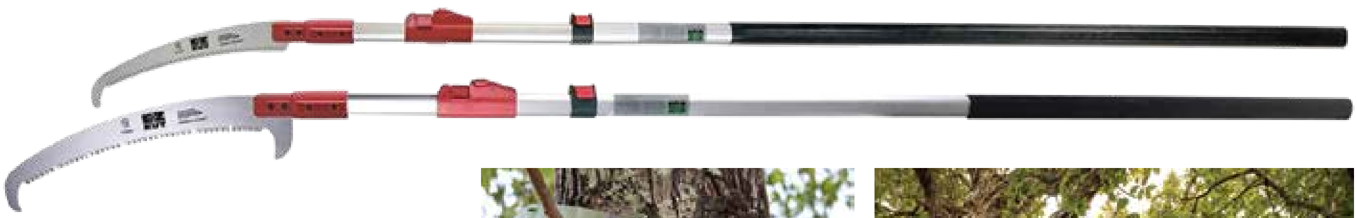
ARS SAW HEADS

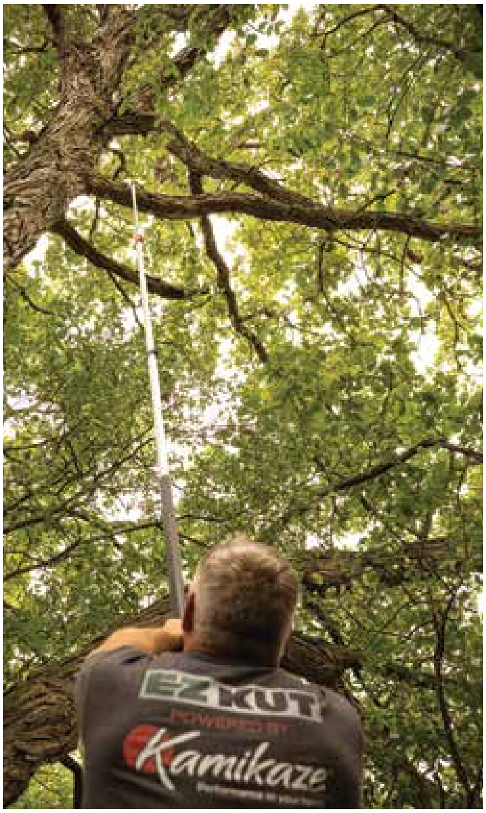
Ready to use. Features ARS Turbocut blades. Cuts quickly and efficiently with super sharp teeth and sawdust removing gullets.

13″ blade, 22″ overall. Chemical nickel finish. Ship wt .5 lb.
34EXP $65.84 3+ $64.27 6+ $63.29

Features a thicker 16″ blade, bottom bark cutter and plastic storage sheath. Hard chrome-plated. 25″ overall. Ship wt 1 lb.
UV40 $119.29 3+ $117.37 6+ $116.18

13" replacement blade for 34EXP. Ship wt .5 lb. Also fits 20S Aluminum Socket.
UV34 $53.07 3+ $51.37 6+ $50.31

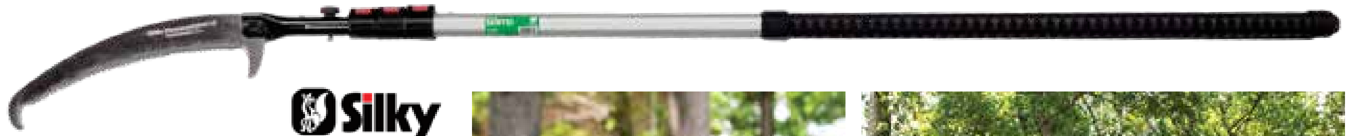




NEW EZ KUT KAMIKAZE POLE SAWS

Kamikaze pole saws feature 3 section oval aircraft grade aluminum poles with a unique double locking design at each section. Each position is easily secured for rigidity and no play to offer an extremely light weight and maneuverable pole saw. The unbreakable and low profile polyamide blade holder reduces weight at upper end of the pole. While the integrated screw design leaves no hardware protruding to completely eliminate snags. And a non slip rubber coated handle offers excellent grip and reduces fatigue. Paired with elite Japanese SK-4 carbon-enriched steel blades for smooth and fast cutting. Impulse hardened teeth are three times stronger than conventional teeth and allow the body of the blade to remain pliable for a long blade life. Hollow ground blades offer fast, smooth cutting and hard chrome plated to prevent rust and sap build up. Available in 15' and 20' lengths. The 3006 15' saw collapses to 5'8" and its blade features a single sickle at the blade tip. The 9249 20' saw collapses to 8' 6", its blade features raker gaps and a top and bottom sickle for trimming small branches and undercutting bark. Replacement blades are available and blade types are interchangeable. Backed by EZ KUT Products Lifetime Guarantee. Includes locking blade cover.

3006	5'8" to 15'	Ship wt 4.7 lb.	**$194.62**	**3+ $192.29**	**6+ $190.84**
6537	Repl. blade	Ship wt .5 lb.	**$46.09**		
9249	8'6" to 20'	Ship wt 4.7 lb.	**$219.30**	**3+ $216.11**	**6+ $214.12**
3537	Repl. blade	Ship wt .6 lb.	**$46.09**		



SILKY HAYAUCHI POLE SAW WITH NOTCH SENTEI ALUMINUM TELESCOPIC POLE

Medium weight for making low to mid cuts.

Telescopes 7'11" to 21'. Notch Sentei telescoping aluminum pole saw is equipped with a 15.4" Silky Hayauchi blade and protective scabbard. Features 4 sections and 3 cam locks. Each size collapses to less than 8' tall for storage. Notch Sentei pole features an oval profile that offers strength an rigidity. All of this translates to efficient maneuverability on the jobsite. Sentie pole saw is ideal for making quick work of low-hanging cuts. Its improved cam collar locks have rib lock protection. And the abrasion resistant grip is extremely low profile for enhanced control and ergonomics. Equipped with quick connect saw heads for tool-less assembly. The supplied 15.4" Silky Hayauchi blade is hard chrome-plated and features 5.5 teeth per inch. The Silky Ibuki blade can also be used on the Sentei pole saws. Limited Lifetime Warranty. Ship wt 7.7 lb.

4177-39		**$349.99**
177-02-03	Replacement Blade	**$94.01**

1 3/4” Capacity

CORONA PROFESSIONAL PRUNER AND SAW KIT

CORONA

Compound action for maximum power, minimum effort. Cuts limbs to 1-3/4” with ease. Drop-forged steel construction. Tubular steel universal adapter.

Item	Description	Wt.	Price	3+	6+
16AF	Kit with orange fiberglass	10 lb	**$274.99**	**$270.87**	**$268.29**
16F	Kit with yellow fiberglass	10 lb	**$289.26**	–	–
16W	Kit with wood poles	9 lb	**$254.54**	**$250.51**	**$247.99**
16PP	Pruner only	2 lb	**$144.99**	**$142.63**	**$141.16**
16CH	Pruner + Adapter	2.5 lb	**$154.99**	**$152.51**	**$150.95**
68801	Repl. Blade for 16PP	.5 lb	**$37.80**	–	–

CORONA

1 1/4” Capacity

CORONA COMPOUND POLE PRUNER & KIT

High strength zinc alloy pruner head with 1-1/4” cutting capacity. More power with less effort — compound action chain drive triples the cutting power.

Item	Description	Wt.	Price	3+	6+
17AF	Kit with orange fiberglass	10 lb	**$204.22**	**$200.74**	**$198.57**
17F	Kit with yellow fiberglass	10 lb	**$219.22**	**$216.68**	**$215.10**
17W	Kit with wood poles	9 lb	**$184.22**	**$180.79**	**$178.65**
17PP	Pruner only	2 lb	**$67.50**	**$66.00**	**$65.06**
17CH	Pruner + Adapter	2.5 lb	**$77.50**	**$76.20**	**$75.38**

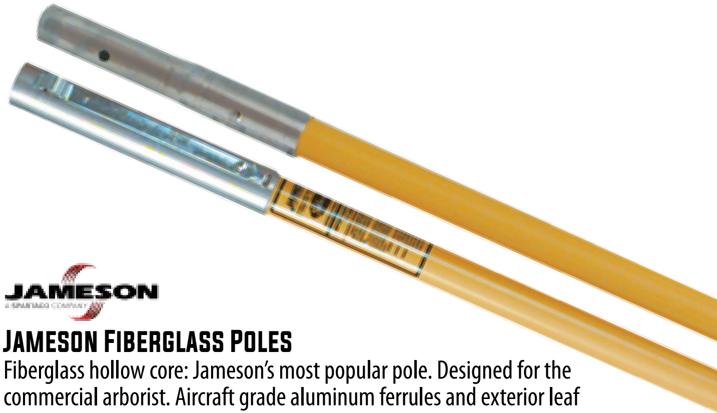
1 1/4” Capacity

CORONA

COMPLETE CORONA COMPOUND PRUNER KIT

More power with less effort. Complete with 17PP high strength, zinc alloy pruning head; 17SB curved 13” razor tooth saw blade; fiberglass telescoping pole with clamp-lock adjustment from 7’ to 14’. 1-1/4” cutting capacity. Professional results!

Item	Description	Ship wt	Price	3+	6+
1714C	Complete unit	6 lb	**$165.45**	**$162.55**	**$160.73**
1715	Replacement pruner head with saw	3 lb	**$95.78**	**$93.87**	**$92.68**
17PP	Replacement pruner head only	2 lb	**$67.50**	**$66.00**	**$65.06**
17SB	Replacement 13” curved saw only	.5 lb	**$32.67**	–	–
1418C	14’ telescoping fiberglass pole only	4 lb	**$69.95**	**$68.57**	**$67.71**



JAMESON

JAMESON FIBERGLASS POLES

Fiberglass hollow core: Jameson’s most popular pole. Designed for the commercial arborist. Aircraft grade aluminum ferrules and exterior leaf spring. Thick wall for increased flexural strength. Safety Yellow. 6’ sectional. 10’ & 12’ ship motor freight and minimum purchase of 3.

Item	Description	Ship wt	Price
JC6E	6’ sectional pole	3 lb	**$56.23**
JC10	10’ base pole	4 lb	**$129.81**

VIEW OUR COMPLELE SELECTION OF POLE PRUNERS

SHOP NOW

1 1/4" Capacity

Orange

Yellow

Wood

MARVIN PRUNER AND SAW KITS

Forged steel hook and cutting blade. High spring tension, nylon pulley; cuts up to 1-1/4" dia. Top quality aluminum die cast construction.

Item	Description	Ship wt	Price	3+	6+
PH4AF	Kit with Orange Fiberglass	10 lb	**$198.66**	**$195.96**	**$194.27**
PH4F	Kit with Yellow Fiberglass	10 lb	**$213.66**	–	–
PH4W	Kit with Wood Poles	9 lb	**$178.66**	**$176.01**	**$174.35**
PH4	Pruner Only	2 lb	**$78.97**	**$76.96**	**$75.70**
PH4CH	Pruner + Adapter	2.5 lb	**$88.97**	**$87.08**	**$85.89**

1 3/4" Capacity

Orange

Yellow

Wood

MARVIN "BULL" PRUNER & KITS

Marvin's newest pole pruner cuts up to 1-3/4" diameter. Traditional Marvin design, tried and true for years, now upsized to tackle bigger cuts. Outfitted with our popular poles and saw combinations or see complete Marvin Kit online at amleo.com.

Item	Description	Ship wt	Price	3+	6+
PH5AF	Kit with Orange Fiberglass	10 lb	**$225.94**	**$221.75**	**$219.13**
PH5F	Kit with Yellow Fiberglass	10 lb	**$240.94**	**$237.69**	**$235.66**
PH5W	Kit with Wood Poles	9 lb	**$205.94**	**$201.80**	**$199.21**
PH5	Pruner Only	2 lb	**$86.35**	**$84.45**	**$83.26**
PH5CH	Pruner + Adapter	2.6 lb	**$96.35**	**$94.56**	**$93.45**

1 3/4" Capacity

MARVIN "BULL" PRUNER WITH PULLEY KIT

Marvin's newest pole pruner cuts up to 1-3/4" diameter. Traditional Marvin design, tried and true for years, now upsized to tackle bigger cuts. Pruner includes mounted aluminum adapter with additional pulley to multiply cutting power. Complete with 6' sectional and 6' base pole with rubber boot.

Pole pruner kit. Ship wt 13 lb.
BULL $190.53 3+ $186.16
6+ $183.42

Pruner head only, with aluminum adapter & pulley. Ship wt 3 lb.
QCB $112.97 3+ $110.28
6+ $108.60

1 1/4" Capacity

Orange

Yellow

JAMESON FIXED PULLEY PRUNER ASSEMBLY

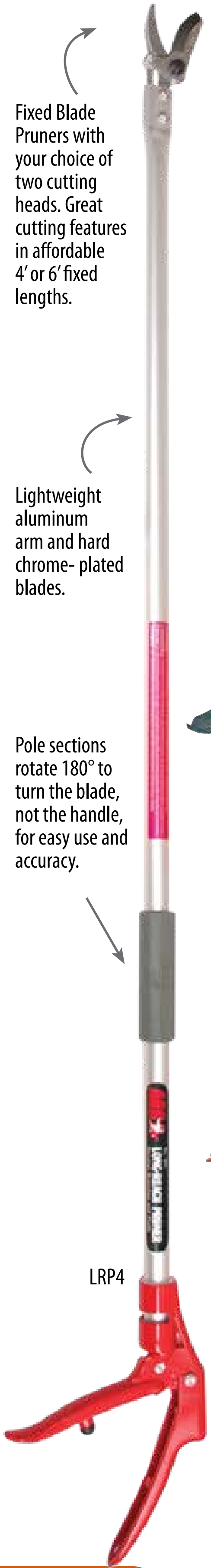
The Jameson Fixed Pulley Pruner Assembly includes the pole pruner tool head complete with aluminum adapter and rope. The Jameson original JA-14 with large throat offers a 1-1/4" cutting capacity. Forged steel components for extreme strength, durability, and a long service life. The raised hook edge reduces blade drag. And now featuring an enhanced, stiffer spring for smooth cutting action and less "sticking". The upper spring pin and adjustable blade bolt are removable for easy blade replacement and sharpening.

Kit with Orange Fiberglass Poles
JA14AF $244.19 3+ $240.44 6+ $238.10

Kit with Yellow Fiberglass Poles
JA14F $262.88 3+ $259.78 6+ $257.84

Pruner with Aluminum Adapter
JA14CH $116.99 3+ $115.45 6+ $114.49

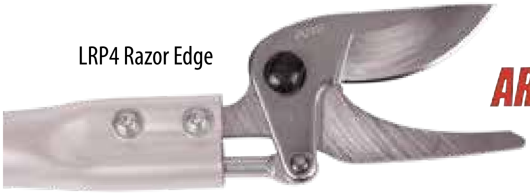
FIXED LENGTH LONG REACH PRUNER

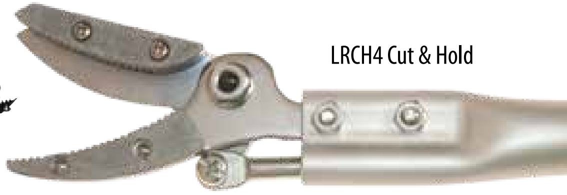


Fixed Blade Pruners with your choice of two cutting heads. Great cutting features in affordable 4′ or 6′ fixed lengths.

Lightweight aluminum arm and hard chrome- plated blades.

Pole sections rotate 180° to turn the blade, not the handle, for easy use and accuracy.


LRP4 Razor Edge


LRCH4 Cut & Hold

ARS LONGREACH™ SUPER LIGHT FIXED LENGTH PRUNER

Lightweight aluminum arm and hard chrome-plated blades. Pole sections rotate 180º to turn the blade, not the handle, for easy use and accuracy. Fixed Blade Pruners with your choice of two cutting heads. Great cutting features in affordable 4′ or 6′ fixed lengths.

RAZOR EDGE PRUNERS: Cutting capacity 1/2”

Item	Description	Ship wt	Price	3+	6+
LRP4	Razor Edge Pruner, 4′ fixed	2 lb	**$99.65**	**$97.98**	**$96.94**
LRP6	Razor Edge Pruner, 6′ fixed	5 lb	**$123.47**	**$120.72**	**$119.00**
SP18028	Replacement Razor Edge Blade Set	.5 lb	**$40.43**	–	–

CUT AND HOLD PRUNERS: Cutting capacity 1/4”, or 1/2” with gripper removed

Item	Description	Ship wt	Price	3+	6+
LRCH4	Cut and Hold Pruner, 4′ fixed	2 lb	**$114.18**	**$111.54**	**$109.89**
LRCH6	Cut and Hold Pruner, 6′ fixed	5 lb	**$125.39**	**$122.56**	**$120.79**
SP16027	Replacement Cut & Hold Blade Set	.5 lb	**$41.55**	–	–
SPLA101	Replacement Spring for Both Sets	.5 lb	**$2.52**	–	–

INCREASED LEVERAGE MECHANISM
MAKES CUTTING EASIER

ARS LONGREACH™ LOPPERS

For large, high pruning cuts. Clean-cutting to reduce injury or disease of the tree. Lever action makes it easier to cut through thick tree limbs. Convertible arm section lets you turn the blades in any direction without moving the hand grip, to cut hard-to-reach branches. Lightweight aluminum arm is durable and easy to handle. Dismantles for maintenance.
5′ long overall. 1-11/16” cutting capacity.

18515	Lopper	Ship wt 4 lb	**$159.80**	**3+ $157.18**	**6+ $155.54**
SP1851	Replacement Blade Set	Ship wt .5 lb	**$71.02**		

ARS FIXED 2’ PRUNERS WITH ROSE HEAD

The perfect rose pruner! Cut-and-hold branch grip helps trim the pricking sprigs of roses safely and efficiently. Lightweight aluminum arm and hard chrome plated blades resist rusting and corrosion. Comfortable hand grip to prevent fatigue. Revolving arm allows you to turn the pruner blades in any direction without moving the hand grip. Spring loaded gripper adjusts to thickness of stem. 3/4" cutting capacity. 2' length. Wt 0.75 lb.

RP150 **$88.99** **3+ $86.82** **6+ $85.46**

Replacement Blade Set
SP1501 **$42.65**

EXTEND YOUR REACH TO SPOT PRUNE FOR A PERFECT LANDSCAPE

ZF163 – Cut & Hold
ZF183 – Bypass
Z195 – Super Trimmer Cut & Hold

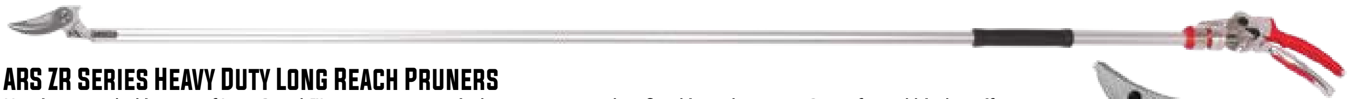
ARS TELESCOPIC LONG REACH PRUNERS

The ARS long-reach line is available in different length and cutting capacities to ensure that you have the best fit for the job at hand. The Cut and Hold Head and the Bypass Pruner Head versions have been designed for increased durability and strength. The Tilt Head has been removed for a slim design that is easier to reach into tight spots. It has a stronger inner rod for longer life, and the Handle Stop Screw now has a blind nut to firmly secure it. The ZF163, ZF165, ZF183 and ZF185 have a cutting capacity of ½″, and telescopes either from 4′ to 7′, or 6′ to 10′.

The Z195 Super Trimmer Pruner Head has retained the Tilt Head so you can cut at just the right angle. All the ARS long reach pruners are perfectly balanced for ease of use and accuracy, and provide sharp precision pruning without dragging out a ladder.

ZF163
Cut & Hold
ZF183
Bypass
ZF195
Super Trimmer
Cut & Hold

Item	Head Type	Telescopes	Ship wt	Price	3+	6+
ZF163	Cut and Hold	4′ to 7′	2 lb	**$154.96**	**$152.83**	**$151.50**
ZF165	Cut and Hold	6′ to 10′	3 lb	**$166.78**	**$164.29**	**$162.74**
ZF183	Bypass Pruner	4′ to 7′	2 lb	**$149.70**	**$147.34**	**$145.87**
ZF185	Bypass Pruner	6′ to 10′	3 lb	**$156.75**	**$154.47**	**$153.05**
Z195	Super Trimmer	6′ to 10′	4 lb	**$177.38**	**$174.33**	**$172.42**
SP190ZR1	Replacement Blade Set	–	.5 lb	**$78.45**	–	–



ARS ZR SERIES HEAVY DUTY LONG REACH PRUNERS

Newly expanded lineup of LongReach™ pruners now includes an even tougher fixed length option. Drop-forged blades offer strength and durability. Die-cast aluminum handles include comfort grips to maximize control and cutting power. 6′ overall length.

Item	Description	Ship wt	Price	3+	6+
180ZR	Razor Edge Pruner	2 lb	**$146.90**	**$144.10**	**$142.34**
SP180ZR1	Replacement Razor Edge Blade Set	.5 lb	**$54.43**	–	–
190ZR	Cut & Hold Shearing Pruner	2 lb	**$145.46**	**$142.77**	**$141.09**
SP190ZR1	Replacement Shearing Blade Set	.5 lb	**$78.45**	–	–
160ZR	Cut & Hold Pruner	2 lb	**$149.30**	**$146.76**	**$145.17**
SP160ZR1	Replacement Cut & Hold Blade Set	.5 lb	**$77.67**	–	–
SPLA101	ARS Spring (fits all above)	.5 lb	**$2.52**	–	–

160ZR
180ZR
190ZR

ARS FIXED HEAVY DUTY LONGREACH™ PRUNERS

The heavy duty 7′ model. Features a larger aluminum housing and larger cutting blades for extra strength. Cuts up to 3/4″ diameter. Ship wt 5 lb.

Item	Description	Price	3+	6+
180LR21	7' pruner	**$138.95**	**$136.85**	**$135.55**
SP180L1	Replacement Blade Set	**$66.55**	–	–
SPLA101	Replacement Spring	**$2.52**	–	–

RIGGING ESSENTIALS

SB585

SB965

SAMSON STABLE BRAID RIGGING ROPE - EXCELLENT RESISTANCE TO WEAR!

A firm polyester double braided rope with high strength, low stretch and excellent resistance to wear. Added coating provides additional abrasion resistance. Arborists commonly use Stable Braid in combination with block pulleys and slings for a strong, wear resistant method of controlled lowering of tree limbs. 1/2", 5/8" and 3/4" in orange. 9/16" in yellow.

Rope Weights per 100'
1/2" = 8.2 lb, 9/16" = 11 lb
5/8" = 14 lb, 3/4" = 18 lb

Avg. Tensile / Working Load
1/2" = 10,400 lb / 1,040 lb
9/16" = 13,000 lb / 1,330 lb
5/8" = 16,300 lb / 1,630 lb
3/4" = 20,400 lb / 2,040 lb

Item	Size	Color	Ship wt	Price
SB125	1/2" x 150'	Orange	14 lb	**$149.36**
SB126	1/2" x 600'	Orange	64 lb	**$544.47**
SB965	9/16" x 150'	Yellow	18 lb	**$189.31**
SB966	9/16" x 600'	Yellow	75 lb	**$673.15**
SB585	5/8" x 150'	Orange	22 lb	**$229.97**
SB586	5/8" x 600'	Orange	88 lb	**$804.84**
SB345	3/4" x 150'	Orange	27 lb	**$284.80**
SB346	3/4" x 600'	Orange	116 lb	**$1,021.51**

MA125

SAMSON PRO-MASTER™ RIGGING ROPE - HOLDS ITS SHAPE EVEN WITH HEAVY USE!

A firm, balanced 3-strand construction with superior hand and lock-grip holding capability. It's flexible, yet maintains its shape, even with heavy use. The combination of spun and filament polyester creates a rope with low stretch and excellent knot-holding ability.

Rope Weights per 100'
1/2" = 6.5 lb
5/8" = 9.6 lb
3/4" = 13.9 lb

Avg. Tensile / Working Load
1/2" = 6,300 lb / 630 lb
5/8" = 8,500 lb / 850 lb
3/4" = 10,900 lb / 1,090 lb

Item	Size	Ship wt	Price
MA125	1/2" x 150'	9 lb	**$89.90**
MA126	1/2" x 600'	40 lb	**$337.29**
MA585	5/8" x 150'	16 lb	**$132.64**
MA586	5/8" x 600'	72 lb	**$499.64**
MA345	3/4" x 150'	19 lb	**$169.15**
MA346	3/4" x 600'	84 lb	**$635.13**

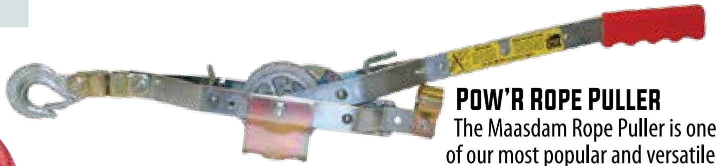
TS5814

TS3414

TREERIG SLINGS™

Samson's Eye Slings are constructed from Samthane coated stable braid spliced with a 6" eye on one end. Commonly used to secure around a tree trunk creating a secure point for a rigging block, etc. For best results, a cow hitch is typically used to secure in place. Stable braid working load – 5/8" = 1,630 lb; 3/4" = 2,040 lb. Knots and bending used to secure sling will reduce workload limit.

Item	Dimension	Ship wt	Price
TS5814	5/8" x 14' sling	3 lb	**$65.55**
TS3414	3/4" x 14' sling	3 lb	**$75.66**
TS3420	3/4" x 20' sling	4 lb	**$87.04**



POW'R ROPE PULLER

The Maasdam Rope Puller is one of our most popular and versatile tools, used to pull trees, logs, beams and even stuck vehicles. This simple ratchet device works best with 3-strand rope, but it will also work with 12-strand ropes like Arbor-Plex and True Blue. Pull up to 1,500 lb. with a 10:1 leverage advantage using your own 1/2" rope, but it weighs less than 7 lb! Other uses include pretensioning lines, stretching fence, and raising loads. Simply thread the end of your rope around the ratchet wheel and crank the handle. The Maasdam walks along the full distance of rope without the limitations of most cable pullers. Not recommended for doublebraid ropes.

Item	Description	Price
PRR-0	Puller only	**$99.92**
PRR-20	Puller with 20' rope	**$138.88**

BUCK PORT-A-WRAP

Rigging operations in tree care are, by their nature, dangerous undertakings – moving large weights in a controlled fashion, while ropes, gear, trees and climbers are all possibly experiencing extreme forces. The Port-a-Wrap is an excellent tool for these undertakings and helps increase the safety and efficiency of tree crews. Simple, strong and easy to use. Working load of 2000 lb, use up to 3/4" rope, nickel-plated steel, 7-1/4 lb.

600LP $147.35

LARGE STEEL CAPTIVE EYE AUTO LOCK

Twist - Double Lock 9,000 lb tensile 2-1/8" gate opening. Ship wt .5 lb.

C307 $29.30

US RIGGING

Tensile: 3,800 lb. WLL: 380 lb. Sheave: Aluminum. Sheave Dia: 2-3/4". Side Plate: Alum. Rope Dia: 1/2". Weight: 8.8 oz. Ship wt 1 lb.

P234 $29.54

CMI PULLEY

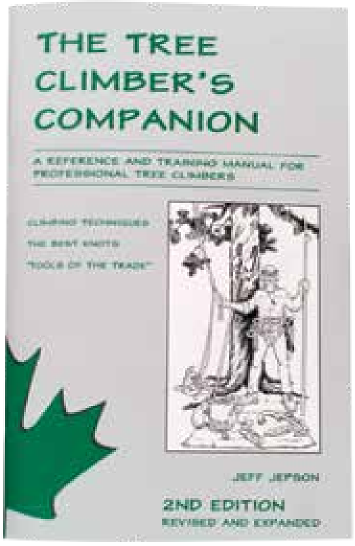
Tensile: 6,000 lb. WLL: 600 lb. Sheave: Alum. Sheave Dia: 2-3/8". Side Plate: Alum. Rope Dia: 1/2". Weight: 7 oz. Ship wt .5 lb.

RP103 $105.43

TREE CLIMBERS COMPANION BOOK

Teaches methods of climbing and working safely in trees with a minimum of unnecessary effort and maximum productivity. Illustrated book is recommended for anyone who climbs and works in trees. Includes: P.E.P. - a systematic approach to tree climbing. Also, tricks of the trade, knots for the climber, equipment and supplies, skill performance sheets, and safety standards. By Jeff Jepson, Certified Arborist and climbing champion. 104 pages.

BK777 $15.90



WEAVER LEATHER

THROWING WEIGHT AND STORAGE BAG

Designed for accurate throwing. Complete with 14 oz cordura nylon throw bag, 150' of 1/8" braided polyethylene snag resistant line. Ship wt 3 lb.

TRS1 $159.57

www.buckinghammfg.com
Buckingham
Made in the U.S.A.

BIG SHOT WITH TWO 4' POLES

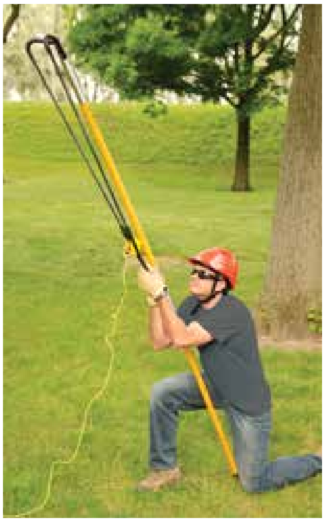
The Big Shot easily shoots a throw bag and up to 200' of line through tree limbs. Oversized slingshot attaches to Notch heavy duty fiberglass poles which allows you to launch nearly straight up, (almost impossible to do by hand). Includes 8' of pole to eliminate recoil and maximize launch distance of 3 to 20 oz weights and line.

NBSKIT	(2) 4' poles	**$134.81**
BIG1	Head only	**$79.75**

Add a Big Shot Trigger and save! (A $44.19 value)

Includes the head, two 4' poles, and a Big Shot Trigger

NBSKIT-T $199.98



IMPROVES THE ACCURACY OF YOUR BIG SHOT LAUNCHER!

NOTCH BIG SHOT TRIGGER

Use of the Notch Big Shot Trigger improves shot accuracy, reduces fatigue, and makes for more consistent line setting accuracy. The Notch Big Shot Trigger can be added to all 1.25" diameter utility grade fiberglass pole. Ship wt .7 lb.

NBST $54.20

THROWBAG WITH LINE

All seams are reinforced with two loops of stitching and the steel ring is fastened with five rows of stitching for added durability. Bright colors for high visibility. 16 oz. throw weight with 150' of Slickline. Ship wt 2 lb.

TB150 $32.72

AN EFFICIENT AND COST EFFECTIVE METHOD OF CUTTING DOWN HIGH TREE LIMBS!

DOWN-TO-EARTH HIGH LIMB CHAIN SAW

Breakthrough design lets you keep your feet on the ground - while you put the efficiency of chain saw action to work on overhead limbs with hand power. Lightweight, but extremely strong, polypropylene ropes are attached to each end of the blade. And a sandbag throwing weight is attached to one rope end. Simply throw the safety weight over the branch - blade automatically flips right side up, ready to go. Use the control lines to draw the blade back and forth other the limb. Available with a 26" or 48" Bimatic Blade. A Patented chain saw blade construction which features BIMATIC carbon steel cutters for two-way cutting action. This custom made chain saw blade is engineered for hand use and offers maximum cutting efficiency. Comes complete with throwing weight and two 25' control lines for a full 52' overall length. Trim branches up to 30' or higher! Comes with instruction booklet, and handy vinyl carrying pouch. Simply sharpen the blade in the same manner as a conventional chain saw blade, with 5/32" circular file. 100% **Made in the USA!**

CS24H	24"	**$40.68**	**3+ $39.98**	**6+ $39.54**
CS48	48"	**$67.37**	**3+ $65.83**	**6+ $64.87**

TREE CARE CABLING AND HARDWARE

MORE CABLING PRODUCTS AVAILABLE!
SHOP NOW

SAFETY NOTE: The products in this catalog are intended for use by trained professionals. We strongly recommend that before using any product you receive proper instruction on technique and safety. A.M. Leonard cannot be responsible for use or misuse of any item. Catalog descriptions and illustrations are not intended to replace proper training.

EXTRA HIGH STRENGTH TREE CABLE

1 x 7 strand galvanized construction for superior strength. Non-spliceable; use with tree grips or cable clamps only. Minimum quantity 1 coil.

Item	Dia	Strength	Wt	Ship wt	Price
HC316	3/16″ x 250′	3990 lb	18 lb	20 lb	**$99.90**
HC14	1/4″ x 250′	6650 lb	30 lb	31 lb	**$174.85**
HC516	5/16″ x 200′	11200 lb	42 lb	43 lb	**$168.24**

HOT DIP GALVANIZED WASHERS

USS Flat Washers are Hot Dip Galvanized to offer strength, and durability. Known for wood preservation, and resistance to weather and corrosives, galvanized washers are ideal for tree care. Approximately 3/32" thick. Sold in convenient packages of 10 washers. Ship wt 0.4 lb

WASH12	1/2" ID	**$2.38**
WASH38	3/8" ID	**$1.81**

EYE BOLTS

Drop forged, hot dip galvanized Eyebolts offer strength, durability, resistance to corrosives and weather. A key component used in tree care, eyebolts are used in conjunction with other cabling, bracing, and rigging supplies. Marked for traceability, these eyebolt features 1" inner diameter eye and a 1/2" diameter shank. UNC threaded, each eyebolt is assembled with hex nuts, tapped oversize. Optional 1/2" washers can be used in conjunction with hex nut, #WA12 washers are sold separately. Working Load Limit 2,600 lb. Not to be used for angular loads.

Individual Galvanized Eyebolts

Item	Lgth	Ship wt	Price
EB500X08	8″	.5 lb	**$8.66**
EB500X12	12″	.5 lb	**$7.45**
EB500X18	18″	.5 lb	**$11.93**

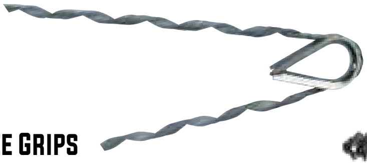
Bulk Kit of 10 Eyebolts and Washers.

Item	Lgth	Ship wt	Price
EB508	8″	.5 lb	**$65.94**
EB512	12″	1 lb	**$76.18**
EB518	18″	1 lb	**$119.79**

TURNBUCKLES

Heavily galvanized forged steel, for guying. All have Ship wt of .5 lb except TB12. TB12 Ship wt 2 lb.

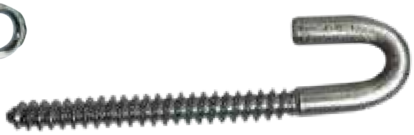
Item	Size	Take up	Price	8+	24+
TB14	1/4″	4″	**$4.92**	–	–
TB516	5/16″	4-1/2″	**$5.60**	**$5.48**	**$5.40**
TB38	3/8″	6″	**$6.12**	–	–
TB12	1/2″	6″	**$10.54**	–	–



TREE GRIPS

Tree grip dead-ends wrap quickly around cable, ends time consuming splicing and clamping, maintains original breaking strength. Use with extra high strength or common cable, left hand lay only.
Ship wt .5 lb

Item	Dia	Price
TG316	3/16″	**$4.50**
TG14	1/4″	**$6.86**
TG516	5/16″	**$10.83**
TG38	3/8″	**$11.62**



LAG SCREW HOOKS

Zinc plated with cone point. LH12 and LH58 available in right or left thread. Ship wt .5 lb.

Item	Size	Price	3+	9+
LH38	3/8″ x 4-1/2″	**$3.62**	–	–
LH12R	1/2″ x 6″	**$4.25**	**$4.11**	**$4.03**
LH12L	1/2″ x 6″	**$4.25**	**$4.11**	**$4.03**
LH58L	5/8″ x 7″	**$4.80**	–	–
LH58R	5/8″ x 7″	**$4.80**	–	–

COBRA BRACING SYSTEM

Complete cabling concept that incorporates a shock absorbing system. The unique patented system is entirely external, all synthetic, and easy to use; you need only to know a simple rope splice technique. This system can be crafted on site. Cables feature a wide insert that spreads upon contact with the tree reducing pressure. Expansion inserts rest around the limb broadening the support. Anti-friction sleeves eliminate abrasion and shock absorbers allow for free movement, reducing the possibility of the "karate chop" effect during high winds. The "growth loop" allows for tree growth without girdling and can be inspected from the ground. No drilling is required, for healthier wood.

The Mini System is for fruit trees; training young trees for dominant leaders and proper form; and guying small trees. **Strength:** 1,100 lb. **Cap/Systems:** 10. **Includes:** 100 meters Cobra rope, 12 meters anti-friction hose, 20 expansion inserts, 10 shock absorbers, 40 end caps and lubricant. Ship wt 10 lb.

The Standard System (Trial Size) is best used to avoid failure of weak branch unions; to avoid excess movement; to maintain structural integrity of trees; to secure large horizontal branches prone to heavy loading; and for guying large transplants. **Strength:** 2 Ton. **Cap/Systems:** 10. **Includes:** 33 meters Cobra rope, 8 meters anti-friction hose, 10 expansion inserts, 5 shock absorbers, 10 end caps and lubricant. Ship wt 9 lb.

CBSM	Mini	**$339.99**
CBSTR	Standard (Trial Size)	**$452.35**

CLIMBING ESSENTIALS

SAMSON ARBOR-PLEX CLIMBING LINE HOLDS WELL IN RAINY CONDITIONS!

A light-weight, high-strength 12-strand climbing line. Tough polyester jacket fibers surround polyolefin center fibers to maximize resistance to wear and fiber fusing.

Item	Length	Ship wt	Price
AR122	120′	10 lb	**$98.80**
AR125	150′	13 lb	**$106.73**
AR126	600′	47 lb	**$399.32**

FEATURES:

- 12.5mm size (1/2″ diameter)
- Excellent wear and snag resistance
- Excellent knot holding ability
- Works well when wet
- Economical - good value
- Single braid
- No twist stripe
- Non-spliceable

AR122

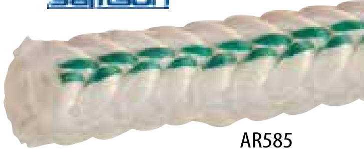
SAMSON ARBOR PLEX™ RIGGING ROPE - MOST POPULAR!

This rope is commonly known as "The workhorse of the industry." 12-strand polyester/polyolefin construction. The best known, most widely used rigging line in the industry.

Rope Weights per 100′
5/8″ = 12 lb, 3/4″ = 16.2 lb

Avg. Tensile / Working Load
5/8″ = 9,000 lb / 900 lb
3/4″ = 12,000 lb / 1,200 lb

Item	Size	Ship wt	Price
AR585	5/8″ x 150′	18 lb	**$175.06**
AR586	5/8″ x 600′	80 lb	**$669.00**
AR345	3/4″ x 150′	30 lb	**$243.70**
AR346	3/4″ x 600′	105 lb	**$872.26**


AR585

SAMSON TRUE-BLUE CLIMBING LINE

LONG SERVICE LIFE! True-Blue is an all polyester climbing rope with high strength, low stretch, excellent abrasion resistance and a long service life. The single braid construction eliminates the need for milking and stays firm and round in use. Blue color that won't fade or run, with high visibility in trees.

Item	Length	Ship wt	Price
TB122	120′	12 lb	**$128.84**
TB125	150′	11 lb	**$161.17**
TB126	600′	65 lb	**$604.77**

Rope Weights per 100′: 8.8 lb
Avg. Tensile / Working Load
7,300 lb / 730 lb

Avg. Tensile / Working Load
UNSPLICED: 8100 lb. / 810 lb.
SPLICED: 6500 lb. / 650 lb.

FEATURES:

- 12.5mm size (1/2″ diameter)
- 100% polyester
- Low stretch, high strength
- No milking necessary
- Stays firm and round in use
- Maintains excellent flexibility
- Maximum service life
- Single braid
- Non-spliceable

TB122

WEAVERS CLIMBER'S BEST WORK POSITIONING SADDLE

Our most popular saddle! Extra wide back provides extra comfort and support. This saddle offers a seat strap with fixed D-rings for more stability. 1″ neoprene leg straps keep the seat strap securely in place. The seat strap floats on the waist belt for easier positioning and is lined with soft brown leather. Optional leg strap covers can be added for even more comfort. Available in SM, MD, LG, XL.
Ship wt 7 lb.

3201B-size $247.73

GECKO ALUMINUM TREE CLIMBERS WITH STRAPS

German engineers designed Gecko® gaffs to fulfill the comfort needs of modern tree and climbing personnel without all the weight and mass associated with traditional-style spurs. Weighing in as the lightest aluminum climbing gaffs available today. Gecko® gaffs aluminum alloy leg shanks were scientifically designed to cup the foot arch, bypass irritating contact with the ankle,and gently brace against the upper shin. There is no super-wide, triple-thick, metal-enhanced, double-strapped pads required to keep Gecko® gaffs secured to one's leg and no steel adjustment sleeve to add weight. Gecko® climbers are sought for their unique simplicity and minimalist features, their adjustable fiberglass shin cuff with Velcro®-attached washable padding, their sleek form, and, most of all,ideal comfort. Ship wt 4 lb.

40929T $522.77

NOTCH GECKO STEEL CLIMBERS

Notch Gecko Steel Tree Climbers offer a superb combination of comfort and weight at an economical price. These climbers meet the ASTM F887 standard. Steel leg irons construction with rust proof finish are adjustable from 14-3/4" to 21" in 1/4" increments. This coupled with an offset stirrup provides optimal leg positioning. Upper pads are 4" wide and are removable and hand washable. High-density (but super light wight) EVA padding. Gaffs are hot forged and replaceable. 350 lb capacity with gear. High vis coloration. Limited lifetime warranty against defects in materials and workmanship. Ship wt 5.9 lb.

41150 $338.67

DOUBLE BRAID SAFETY LANYARD

Heavy duty 1/2″ Walthane coated double braid polyester rope. Adjustable from 3′ to 6′. A safety snap on either end with thimble on spliced end for freedom of movement. 5,000 lb. tensile strength. Ship wt 2 lb.

1906 $81.85

KEEP YOUR TOOLS AT THEIR BEST!

TRI-EDGE SAW BLADE SHARPENER

Finally, a better way to keep your tri-edge style saws razor sharp! Special file design sharpens all three cutting edges fast and effectively. Complete sharpening instructions included. File length 4", file width 3/4", overall length 8-3/4". NOTE: not intended for impulse-hardened blades. Ship wt .1 lb.

TSS $25.25
3+ $24.66
6+ $24.29

MILL BASTARD STEEL FILE

One of the most versatile tools to have in the truck. Use for rough sharpening of hoes, shovels, edgers, mower blades and more! Three lengths to choose from. Ship wt .5 lb.

Item	Length	Price	3+	6+
MB8	8"	**$7.77**	**$7.68**	**$7.62**
MB10	10"	**$10.06**	**$9.94**	**$9.87**
MB12	12"	**$15.02**	**$14.81**	**$14.68**

CARBORUNDUM SHARPENING STONE

The ideal tool for sharpening spades, hoes, axes, etc. 14" long. Ship wt .1 lb.

57S $29.62
3+ $29.07
6+ $28.73

CARBORUNDUM SHARPENING STONE

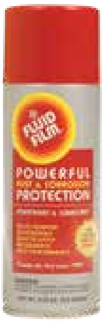
The Norton Pocket Stone features a medium-coarse grit aluminum oxide abrasive. It measures 3" in length, 7/8" in width, and 3/8" thick. Each stone includes a plastic carrying case. Norton designed this stone for sharpening all types of knives and pruners. It works well with many materials. When used with a lubricant, this stone further enhances the edge while minimizing the clogging to its surface.

149S $9.40 3+ $9.18 6+ $9.04

SCYTHE STONE

Maintain keen cutting edges with long-lasting sharpness. The Norton Sickle & Scythe Stone is ideal for long, arc shaped blades. Norton's smooth cutting aluminum oxide abrasive for the best blend of cut rate and finish. With this coarse grit stone you can quickly and easily sharpen edges with minimal effort. Measuring 10" long, 1-5/16" wide and 3/4" thick. The oval shape of these stones fits comfortably in your hand. Great for sharpening pruners, loppers, sickles, scythes, brush hooks and much more. Material Applications: 300 Series Stainless, Aluminum, Brass, Bronze, Copper, Gray, Iron, Titanium. Ship wt .5 lb.

192S $9.87 3+ $9.71 6+ $9.60



FLUID FILM

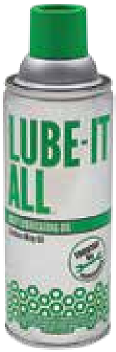
Keep all your tools and equipment in tip-top shape with this rust and corrosion preventative, penetrant, and lubricant. Lanolin based, to work where others can't. Embeds in the pores of the metal to remain active, lubricating and stopping the corrosive effects of salts, fertilizers, pesticides, and high humidity. Will not harm paint, plastic, or rubber, or cause burn to greenery. Solvent-free, non-conductive, non-drying, and does not freeze. 12 oz spray can. Ship wt 1 lb.

FFA12 $11.88

ECHO 12 OZ. RED ARMOR BLADE CLEANER & LUBRICANT

Reduce blade drag, inhibit corrosion, and promote plant health! Red Armor Blade Cleaner & Lubricant uses a bio-based formulation and contains no volatile organic compounds (VOCs) or harmful chemicals. Red Armor contains tacky lubricants that dissolve resins and sap on numerous hand tools, including pruners, shears, loppers, and axes. Use daily to maintain optimal blade function. 12 oz bottle. Ship wt .5 lb.

RABC $15.77 3+ $15.47
6+ $15.28



LUBE-IT ALL® DEEP LUBRICATING OIL

Lube-It All® is a high viscosity oil that clings to moving parts. The unique foaming action of this lubricant penetrates close tolerances to provide long-lasting lubrication. Lube-It All® displaces 1,200 times its volume in water on surfaces and repels moisture to prevent corrosion. Designed to reduce friction wear on moving parts and in metal-to-metal applications. Ideal for use on rotating parts and gears, Lube-It All® is also safe for use on electrical, metal and plastic surfaces. This silicone-free formula does not attract dust. Temperature range: -30°F to 350°F (-34°C to 177°C). Sold in 11 oz aerosol cans. Ship wt 1 lb. **Made in the USA!**

LA12 $11.72 3+ $11.45
6+ $11.27

THRED GARD® ANTI-SEIZE & LUBRICATING COMPOUND

Thred Gard® General Purpose is non-metallic, lead free, heavy duty anti-seize and lubricating compound. Thred Gard® not only speeds up assembly, it also facilitates dissasembly. It contains a blend of extreme-pressure additives, water-resistant properties and rust and corrosion inhibitors in a high-performance carrier to provide protection to 1,000°F (537°C). Sold in 1/4 lb can with brush cap. Brush on nuts, bolts, screws, bushings, cam rollers, shafts, sleeves, couplings, conveyers, motors, pumps, turbines, valves, and more! This product exceeds MIL Spec MIL-A-907D. Ship wt .4 lb. **Made in the USA!**

TG04 $9.15 3+ $8.97
6+ $8.86

COUNCIL TOOL 3.5 LB JERSEY SINGLE BIT AXE

Usable and practical, Jersey pattern single bit full size felling axe is ideal for general axe chores. Forged steel tool head features lugs or ears which increases surface contact area with the handle. Heat treated working cutting edges produce fine grain structure and Rockwell Hardness Rc 45-55 for safety, edge holding and toughness. Head coated with boiled Linseed Oil over the as forged finish. Equipped with a curved 36" American hickory handle offers excellent ergonomics. A perfectly balanced axe, feels light weight and allows for accurate consistent strokes. Eye section is dried to minimize shrinkage and help prevent loosening. Axe head is hydraulically seated onto handle and secured with serrated aluminum wedge. **Made in the USA!** Ship wt. 5 lb.

35-J36C $74.28 3+ $72.92
6+ $72.08

RAZOR-BACK® 3-1/2-POUND SINGLE-BIT MICHIGAN AXE

Razor-Back® equips their Single-Bit Michigan Axe with a 3-1/2-pound forged steel head. They attach this head to a 33-inch long solid-core fiberglass handle. This durable handle features triple-layer overstrike protection. The Razor-Back® Single-Bit Michigan Axe is great for any landscaping task. It is ideal for chopping and splitting wood. You can also use it to trim branches, cut roots, and prune trees. Professionals choose Razor-Back® tools for their strength and durability. The heavy-duty steel head and fiberglass handle ensures this axe will provide you with years of service. Razor-Back® proudly assembles this tool right here in the USA and back it with their lifetime warranty!

41120 $68.13 3+ $66.45
6+ $65.40

TRUE TEMPER LANDSCAPING AXE

The 3.75 lb Landscaping Axe features a 36" hickory handle. The forged steel axe head also features a mattock end making it ideal for branch trimming, tree pruning, wood splitting and cutting. Strong hickory handle will not splinter for years to come. It also has an integrally-molded handle guard for overstrike protection. Ship wt 5.5 lb. **15 year warranty.**

38PM Hickory handle
$48.74 3+ $48.15
6+ $47.78

38PMF Fiberglass handle
$45.53 3+ $44.56
6+ $43.96

COUNCIL TOOL 3.5 LB MICHIGAN DOUBLE BIT AXE

Versatile hand sharpened double bits make the Michigan pattern axe ideal for all cutting and splitting tasks. Perfectly balanced axe for light weight feel that allows for accurate consistent strokes. Forged steel, 3.5 lb axe head is coated with red enamel and cutting edges coated in clear lacquer to deter rust. Heat treated working cutting edges produce fine grain structure and Rockwell Hardness Rc 45-55 for safety, edge holding and toughness. Equipped with straight 36" American hickory handle. Eye section is dried to minimize shrinkage and help prevent loosening. Axe head is hydraulically seated onto handle and secured with serrated aluminum wedge. **Made in the USA!** Ship wt. 5.5 lb.

35-2MR $72.96 3+ $71.47
6+ $70.54

CANT HOOK LOGGING TOOL

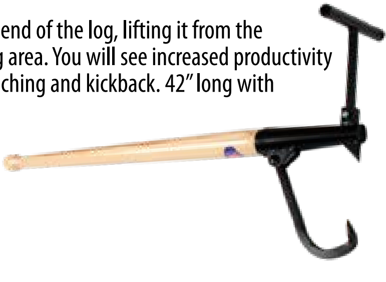
Cant hook with hook and spike toe to securely grip log! Complete with 5' hardwood handle.

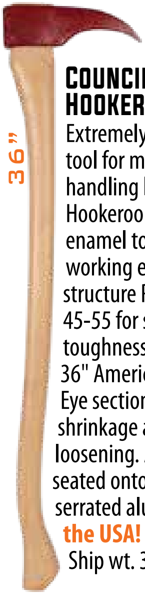
51CH5 $159.50 3+ $156.41 6+ $154.48

PEAVEY MFG TIMBERJACK

A valuable tool for chainsaw operations! The timberjack fits one end of the log, lifting it from the ground and holding it securely in place, providing a clear cutting area. You will see increased productivity due to time saved from wrestling logs and less saw damage, pinching and kickback. 42" long with hardwood handle.

TJ42 $141.80 3+ $139.72 6+$138.42





COUNCIL TOOL 1.5 LB HOOKEROON

Extremely useful and light weight tool for moving, positioning, and handling logs. Forged steel, 1.5 lb Hookeroon head is coated with red enamel to deter rust. Heat treated working end produces fine grain structure Rockwell Hardness Rc 45-55 for safety, shape holding and toughness. Equipped with curved 36" American hickory handle. Eye section is dried to minimize shrinkage and help prevent loosening. Axe head is hydraulically seated onto handle and secured with serrated aluminum wedge. **Made in the USA!** Ship wt. 3 lb.

C150H $69.39 3+ $68.38
6+ $67.75

HEAVY DUTY TRAIL BLAZING TOOLS

MCLEOD TOOL

Versatile tool originally designed for the forest service and now used by landscapers. Tackles grading, raking, scraping, grubbing and tamping tasks. 12" wide with 6 tempered steel tines. 48" Northern Ash Handle. Ship wt 6 lb.

MC48	**$94.66**	**3+ $92.91**	**6+ $91.81**

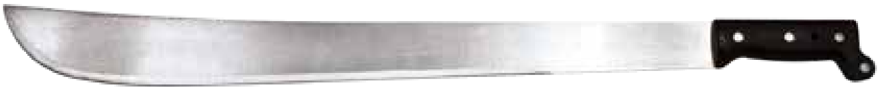
RAZOR-BACK® GRASS HOOK - Slices through weeds and tough briar patches with ease. 3-1/2" curved blade, sharpened top and bottom. 45" wooden handle. Ship wt 1 lb. **Limited Lifetime Warranty.**

59WH	**$28.63**	**3+ $28.12**	**6+ $27.80**

TRUE TEMPER DELUXE WEED CUTTER

Classic design helps clear overgrown areas. Serrated on both edges for increased efficiency. Cuts on both forward and return strokes. Perfect for clearing tall grasses, this tool is ideal for clearing ditches, wooded areas and fields. Blade measures 14" and is powder coated for rust prevention. Equipped with a 30" hardwood handle. Overall tool length of 40". Ship wt 2 lb. 15 year warranty.

50WC	**$35.63**	**3+ $34.65**	**6+ $34.05**



COLUMBIA STYLE MACHETE

High carbon tempered steel blade with black polypropylene handle. .08" blade thickness. 24" blade length. Ship wt. 2 lb.

24MA		**$24.32**	**3+ $23.54**	**6+ $23.06**
24SH	Canvas Sheath. Ship wt .5 lb	**$15.41**	**3+ $15.14**	**6+ $14.98**

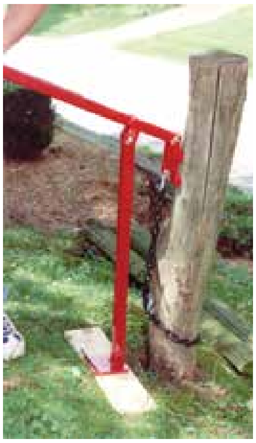
BUSH AXE WITH HARDWOOD HANDLE Clear brush easily with this lightweight bush cutter! Only 2.3lb overall, It features a razor sharp blade and 20" bent hardwood handle.

1BAX		**$63.26**
XB1	Replacement Blade	**$18.12**

COUNCIL FIRE RAKE, 1-FOOT WIDTH

1-foot wide head; 5-foot handle. Made in the USA! This durable fire rake has been proven out in the field by wildfire fighters who need its fast-clearing power when seconds count. You may not be clearing for fire lines, but you'll appreciate the durability built into the tool that wildfire fighters count on. It's designed to chop, rake, and remove underbrush and vines, but it works equally well for heavy grading and cultivating. Tool steel-cutting teeth are specially sharpened and hardened, then secured to a tough iron cross member. Eye connection with screw attaches the 5-foot long handle. Meets US Forest Service specification 5100-284C. Weight 4.2lb.

FR60	**$81.97**	**3+ $80.71**	**6+ $79.92**

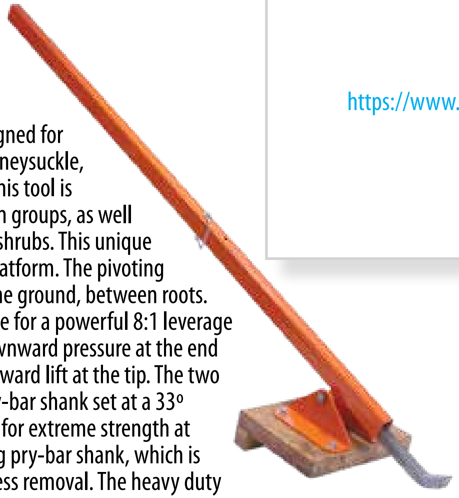


T-POST AND POST PULLER

Manually removes posts quickly and easily! Applies a tremendous amount of lifting force directly to the post in question. Attaches to T-post, (or any type of post with optional chain and hook), in seconds. No more hassles with heavy equipment. Post-Popper pulls posts straight out of the ground without bending. Perfect for: Farmers, ranchers, fence and sign contractors, highway departments, municipalities, US Military, landscapers, construction crews, National and State parks, mining companies, gardeners, tent leasing companies, etc.

PLR300		**$109.26**	**3+ $106.63**	**6+ $104.98**
PLR350	Chain and Hook Kit	**$29.46**	**3+ $28.59**	**6+ $28.05**

LEONARD BRUSHBAR

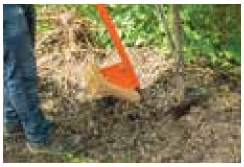


An Industrial grade, multi-purpose pry bar designed for a multitude of landscaping and forestry tasks. Specifically designed for quick, chemical free, removal of invasive woody brush like honeysuckle, barberry, buckthorn, burning bush, privet, and much more. This tool is extremely beneficial in the hands of forestry and conservation groups, as well as landscapers for the removal of overgrown evergreens and shrubs. This unique and effective prying tool is equipped with a durable, wood platform. The pivoting wood base doubles as a foot step to insert the steel tip into the ground, between roots. The platform will then act as a fulcrum providing a stable base for a powerful 8:1 leverage advantage. Built to withstand several hundred pounds of downward pressure at the end of the handle. The Brushbar will yield well over 1000 lb. of upward lift at the tip. The two piece handle design features a thick 7/8" x 7/8" solid steel pry-bar shank set at a 33º angle. This shank extends 34" into the structural steel handle for extreme strength at the most critical stress areas. 73-1/2" overall length, including pry-bar shank, which is held in place with a heavy duty wire-lock clevis pin for tool-less removal. The heavy duty handle and thick steel brackets are powder coated while the wood platform is sealed to offer a long service life. **Lifetime Warranty. Made in the USA.** Ship wt. 30 lb. *Assembly required.

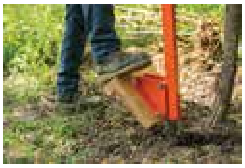
BRUSHBAR **$259.99**

https://www.youtube.com/watch?v=mp9allHyR6A

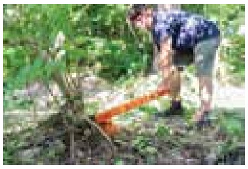
REMOVES SHALLOW ROOTED BRUSH IN NO TIME!



Place tool tip several inches from trunk base.



Step inward, inserting steel tip into soil, beneath shallow root mass



Apply steady downward force until plant is removed.

LEONARD MACHETE

Made of 420 Stainless Steel with Black Coating!

Compact, heavyweight machete incorporates a unique blade shape that distributes the weight towards the tip, providing maximum cutting power with minimum effort. An extra thick .157" blade holds up to the tough tasks. Crafted in Italy. 15" cutting edge. Ship wt 2 lb. **Lifetime warranty.**

1525T Machete
$49.68 **3+ $48.69**
6+ $48.07

SH1520 Sheath
$29.63

FORK & RAKE IN ONE

22
TINE
10
TINE

LEONARD FORESTRY RAKES

A.M Leonard's all-purpose leaf rakes. These heavy duty wire tine rakes are not only great for raking leaves, they are tough enough to handle sticks, and brush. The narrow tine profile allows our forestry rakes to be flipped over for light use as a fork! That's right our forestry rakes are built to handle light scooping and spreading of materials too. The 11 gauge tempered wire tines maintain their shape over time. Featuring a solid, double bolted handle connection. The 54" American Beech handle is 1-1/8" in diameter. The thickest, and strongest leaf rake handle we offer. **Lifetime Warranty.**

https://youtu.be/uFbVZ_C1zrE

228F 22 Tine 20" wide Ship wt 3 lb
$31.23 **3+ $30.23** **6+ $29.61**

110F 10 Tine 10" wide Ship wt 2 lb
$22.72 **3+ $21.99** **6+ $21.54**

CORONA TOOLS “DIRT TAMP”

Corona Dirt Tamps are ideal for compacting trenches, plantings, and base materials. Forged steel base plates are manufactured with 1/4" thick gussets to add strength and provide even tamping. Equipped with traditional hardwood handles these tampers are built to provide many years of service. Available in two sizes that will cover all your landscaping needs. Backed by Corona Tools Limited Lifetime Warranty.

UT60050 8x8
$48.54
3+ $47.35
6+ $46.61

UT60053 10x10
$55.86
3+ $54.67 **6+ $53.92**

RAZOR-BACK® STEEL TAMPER 10” X 10”

Ideal for tamping asphalt, gravel, stone, and dirt! Razor-Back® engineered this tamper for increased durability. The one-piece, all-steel design is able to withstand heavy-duty construction. Use this tool for industrial, commercial, or residential applications. The steel base of this tamper measures 10” by 10”. It features a 57” handle and a 10” handle grip. Razor-Back® covers this product with a lifetime warranty. Ship wt 14 lb. **Lifetime Warranty.**

30005
$59.81
3+ $58.76 **6+ $58.11**

SOD TAMPER

Sod tamper head with 42” ash handle. Heavy-duty cast base for extra strength! Available in 8 x 8 or 10 x 10 size base. Ship wt 17 lb

10ST 10 x 10
$59.56
3+ $58.08
6+ $57.15

88ST 8 x 8
$54.91
3+ $53.36
6+ $52.39

CORONA HERCULES PATTERN 6” POST HOLE DIGGER

Corona Tools Extra-heavy-duty Post Hole Diggers feature 10-gauge tempered steel blades to dig 6” diameter holes. Blade edges are pre sharpened to penetrate ground easily and slice through small roots. Extra-thick 48" ash handles for durability, longer service life. Limited Lifetime Warranty. Ship wt. 12.7 lb

PD60000 **$89.72**
3+ $87.98
6+ $86.89

RAZOR-BACK® DIG EZ™ POST HOLE DIGGER

Unique design puts pivot point at handle and blade reducing effort to remove dirt. Handle span when open has been shortened to allow for deeper holes than with standard diggers. Flared top eliminates knuckle contact during use. 6.2” blade spread. 59-3/4” overall length. Ship wt 15 lb. **Limited Lifetime Warranty.**

17151 **$119.88**

TRUE TEMPER DIGGING AND TAMPING BAR

True Temper all steel digging and tamping bar is a must have combination tool. Ideal for fencing, post setting, prying rocks, and digging in tough rocky soils. This heat treated medium carbon steel bar is incredibly strong and can be used for a variety of prying, demolition, digging, and tamping tasks. Measuring 69-1/2” long this 1” diameter bar is manufactured with a 2-3/8” diameter round tamping plate on one end. And a flat 2-5/8” wide chisel with a beveled edge on the other. Limited Lifetime Warranty. Ship wt. 17 lb.

0469
$57.43
3+ $55.59
6+ $54.44

CORONA TOOLS 2-1/2" POST DRIVER

Corona MAX Post drivers easily drive wood or metal posts into the ground. All steel construction is powder coated to protect against the elements and provide many years of service. The handles are angled for comfortable grip, positioning, and control. A standard 2-1/2" square hollow section can be used to drive a wide variety of posts. Backed by Corona Tools Limited Lifetime Warranty. Ship wt. 20 lb.

UT67001
$129.54 **3+ $126.34**
6+ $124.34

IWAN POST HOLE AUGER

High carbon steel blades; just five half-turns fill it with no dead center. Wood handle. In two diameters. 48" overall length. Ship wt 7 lb.

IA4 4" dia
$136.93 **3+ $135.03**
6+ $133.84

IA8 8" dia
$151.73 **3+ $149.94**
6+ $148.82

GRIPPLE®
JACKJAW EXTRACT AND SET TOOL

Eliminates the need for expensive machinery!
The JackJaw® is Gripple's® patented extractor tool designed for use with their Drive Rods. Works well for extracting posts, poles, and stakes. The jaw and lever mechanism pulls straight up. This operation reduces strain on the operators back by preventing side loading. It is ideal for use in orchards and vineyards. Use it for erosion control, concrete form fencing, and DOT signage applications. Combining this optional tool with the Gripple® Anchor Setting Tool makes it easier than ever to install your Badger Ground Anchors which load-locks the anchors after you drive them. **Made in the USA.**

JACKJAW **$383.25**

SLIDE-HAMMER HANDLES DIG EFFICIENTLY & ACCURATELY!

SIMPOLE™ HAMMERING POST HOLE DIGGER

Dig easily, dig quickly, and dig accurately with the SIMPOLE™ Post Hole Digger. The SIMPOLE™ is equipped with heavy-duty, retractable handles that run in a guided track. These weighted handles act as slide hammers, or a sliding ram. Hammering the blades into the ground. Lifting only the weight of the handles while you dig. To remove the soil, with the handles resting at the bottom, simply twist the handles a quarter turn to temporarily lock them in place. Separate the handles and lift the tool out of the hole, only when soil is ready to be removed. With this method, the post hole digger blades rest right on the mark the entire time. This makes the (patented) SIMPOLE™ extremely efficient, and accurate. Overall tool length of 59-3/4", handles extend 17" when using the slide action. Blades are 8" long and measure 7" in diameter. 1 Year Warranty. Ship wt 24 lb.

SIMP-001 **$196.07** **3+ $192.15** **6+ $189.71**

Sliding handles hammer the blades into the ground!

SOD CUTTER

Cuts up to 30' of sod in 40 seconds! Cuts uniform 12" strips quickly and smoothly. Nylon bearings, one piece welded frame and varnished hardwood handles. Blade is heat-treated and fully adjustable. **10 year Manufacturer warranty on the frame. Made in the USA!** Ship wt 28 lb.

SOD1 $499.99 3+ $491.14 6+ $485.60

BAHCO HORIZONTAL LAWN SHEARS

Trim around trees, borders, etc. 8", Xylan coated, anti-rust blades. 36" handles, 44" overall length, self-adjusting pivot bolt. 5 year guarantee. Ship wt 5 lb.

P74 $82.67 3+ $81.01 6+ $79.98

BAHCO VERTICAL EDGING SHEARS

7-1/2", Xylan coated, anti-rust blades. Ideal for trimming lawn and border edges. 33" handles, 37" overall length, self adjusting pivot bolt. 5 year guarantee. Ship wt 4 lb.

P75 $82.18 3+$80.32
6+ $79.16

GK2-09
GK2-21

CORONA® THATCH AND GROOM RAKE

Corona® Thatch and Groom Rake is a must have part of the landscaping toolset. Quickly and easily rid heavy layers of thatch and dead grass from lawns. The 15" wide thatching rake head is self cleaning and works on both push and pull motions. Featuring an adjustable rake head that can be tilted up or down to suit different height users. And equipped with a 54" long wood handle that allows for work to be done in a standing position. The ability to work in a comfortable position lends this thatching rake for any job small or large. Ship wt. 4 lb.

RK42000 $47.68 3+ $46.22 6+ $45.31

GROUNDSKEEPER II

Extremely light weight and durable rakes do it all!
Modern technology and materials are used to produce the Groundskeeper II rakes. The unbreakable co-polymer rake head, fiberglass handle, and spring tines make for an light weight and durable design. Work longer and accomplish more with less effort. The spring loaded tines of this rake dig in with no down pressure. These tines are what make this rake so effective and provide its unique, effortless feel. Commonly used for a variety of materials and tasks: raking sticks and leaves, spreading mulch and pine straw, great for de-thatching and soil prep, and tough enough to rake rocks and spread gravel! Available with 9" and 21" wide rake heads. Each is equipped with a 55" fiberglass handle featuring a swivel hang hook for easy storage. **Made in the USA.**

GK2-09 9" Ship wt 2 lb.
$46.95 3+ $45.49 6+ $44.58

GK2-21 21" Ship wt 3 lb.
$49.41 3+ $48.04 6+ $47.18

RAZOR-BACK® FORGED SOD LIFTER

Tear out or transplant sod with this classic tool! The forged steel blade measures 9" wide by 5" long. This tool features a 31" North American hardwood handle and a steel D-grip. Razor-Back® covers this tool with a lifetime warranty. Ship wt 4 lb. **Lifetime Warranty**

62218 $122.52
3+ $120.46
6+ $119.17

RAZOR-BACK® WALK SCRAPER/ EDGER

Break up and scrape away thick ice. Rugged, heavy 7" blade for year around use. 50" handle. Tackles the tough jobs. Ship wt 4 lb. **Made in the USA. Limited Lifetime Warranty.**

SS48 $43.94
3+ $43.13
6+ $42.63

RAZOR-BACK® HALF MOON TURF EDGER

Turf and walk edger blade 9" wide with turned step. 48" wood handle. Ship wt 3 lb. **Limited Lifetime Warranty.**

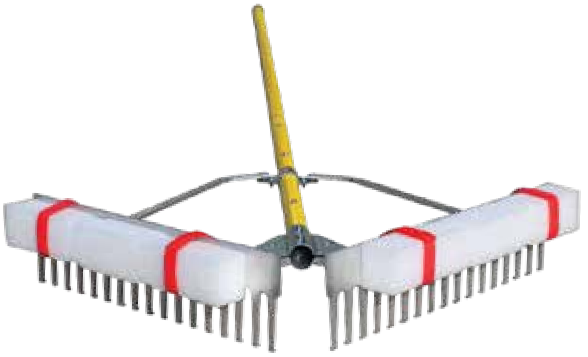
404E $49.65
3+ $48.81
6+ $48.28

MUST-HAVE TOOLS FOR POND OWNERS!

NEW RAZER RAKE

The perfect tool for lake and pond surface cleaning, ideal for use with the Weed Razer toolset. Quickly clear the lake surface of floating debris from the shore. This 36" wide rake includes floating attachments that make this tool extremely effective for cleaning the surface of the water. The flotation devices can be removed so the Razer Rake can also be used to groom the lake bed. And the unique design of the rake head collapses for easy storage. The durable aluminum rake head is equipped with a 108" steel handle and includes 25' of rope for retrieving the tool from the lake. Includes 2 floats that attach by 4 straps. Assembly Required. Ship wt. 7lb.

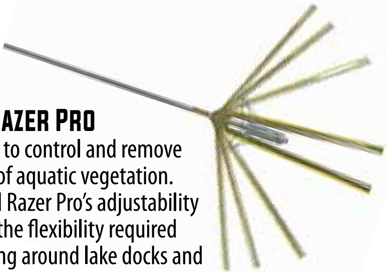
WRZRK $149.92



WEED RAZER

The original Weed Razer features razor-sharp blades that cut lake and pond weeds at their base. Ideal for removal of almost any type of rooted lake or pond vegetation - lily pads, cattails, milfoil, curly leaf pond weed, eel grass, and more. Nearly all rooted aquatic vegetation float to the surface after being cut. Equipped with fixed blades, the V-Shaped tool head measures 48" wide. Clear a 48" wide path with each cast! It features a 65" handle with 25' of floating rope that allows up to 30' of reach! Weighing less than 8 lb, it's light enough to throw, but heavy enough to sink to the bottom of your lake or pond for effective aquatic weed removal. The Weed Razer also includes: Lockdwn ™ blade covers designed for easy installation, complete coverage and maximum safety. Use the Weed Raker to remove weed fragments after cutting underwater plants. Ship wt 8 lb.

WRZ09 $216.37



WEED RAZER PRO

Designed to control and remove all types of aquatic vegetation. The Weed Razer Pro's adjustability provides the flexibility required for working around lake docks and small ponds. The Weed Razer Pro is also ideal for lakes and provides maximum productivity when the blades are fully extended. Equipped with razor-sharp stainless-steel blades that adjust to seven different angles. It effectively cuts through almost any type of rooted lake or pond vegetation - lily pads, cattails, milfoil, curly leaf pond weed, eel grass, and more. The adjustable tool head clears a path from 30" to 62" wide, and collapses for compact storage. It features a 65" handle with 25' of floating rope that allows up to 30' of reach! Weighing an ideal 9 lb, the WeedRazer Pro™ is designed to be thrown into the water, and retrieved by the floating rope. It can be used easily and safely in shallow or deep water. The Weed Razer Pro also includes: Lockdwn ™ blade covers designed for easy installation, complete coverage and maximum safety. Use the Weed Raker to remove weed fragments after cutting underwater plants. Ship wt 9 lb.

WRZ10 $246.78

WEED RAKER

Use this multipurpose lake rake to clear away underwater weeds after cutting them. The Weed Raker is equipped with a hollow rake head can be filled with floating or weighted material, depending on the task at hand. Ideal for use with the Weed Razor cutting tools. Float the Weed Raker to clear cut weeds from the waters surface. The Weed Raker easily removes debris and free-floating weeds like water hyacinth, bladderwort, salvinia, water lettuce and others. It also clears away debris from the lake or pond bed. Add weighted material to rake the bottom of the lake. The Weed Raker has 24 tines that are 8" long, designed to pull weed stems and roots from the bottom. This is an essential step for slowing or eliminating re-growth, maintaining weed free water. The 37" wide rake head is equipped with an 11' handle and 43' of floating rope for 55' of range! Ship wt 8 lb.

WRK09 $190.04

AQUATIC RAKE WEED ERADICATOR

Eliminates aquatic weeds with a wide 28" cutting surface and sharp teeth that cut and pluck all weeds in its path. Made from high strength 3/32" thick solid aluminum. 11' handle gives you an extended reach and disassembles for easy storage. Ship wt 7 lb.

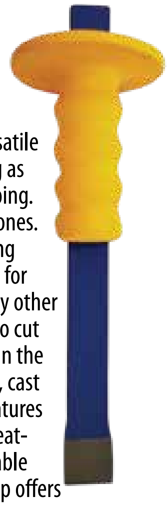
AWE $167.11

MIDWEST RAKE ALUMINUM SCREENING RAKES

Designed for screening loose soil or sand to remove rocks, trash, or any unwanted materials. It is also perfect for grading, spreading, sifting or leveling. Rugged, lightweight construction with heavy-duty head brace, comfortable 66" coated handle with vinyl grip.

Item	Width	Price
24ASR	24"	**$92.60**
36ASR	36"	**$105.51**
42ASR	42"	**$110.51**

CHISELS & STONE BREAKERS



DASCO PRO 1-1/4" FLAT UTILITY CHISEL WITH TARGETGUARD

Dasco Pro Flat Utility Chisel is versatile and can be used for metal cutting as well as masonry cutting and shaping. Great for working with natural stones. The 1-1/4" edge allows for shaping and splitting of stone. Works well for trimming excess mortar and many other masonry tasks. And can be used to cut or shear any cold metal softer than the chisel itself, such as wrought iron, cast iron, brass, bronze, and more. Features high-carbon steel construction heat-treated to retain a sharp and durable cutting edge. The TargetGuard grip offers a 3-3/4" diameter of protection. Comfortable hand-grip helps absorb shock and vibration Designed to help protect hands from missed hits and to reduce mushrooming from repeated blows. Common 2-3/4" wide chisel edge, overall length 12". Backed by a Lifetime Warranty. **Made in the USA!** Ship wt. 2 lb.

G337 $15.18 3+ $14.77
6+ $14.51

DASCO PRO 2-3/4" MASON CHISEL WITH TARGETGUARD

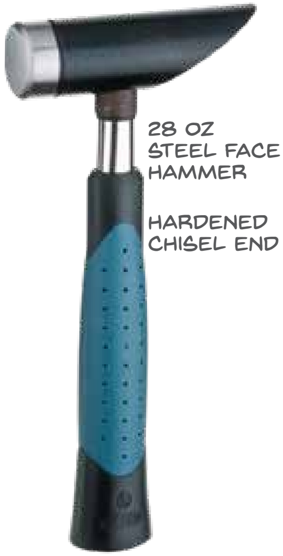
Dasco Pro Mason Chisel is ideal for cutting or shaping brick, cement block, cinder block, or trimming excess mortar. Features high-carbon steel construction heat-treated to retain a sharp and durable cutting edge. The TargetGuard grip offers a 3-3/4" diameter of protection. Comfortable hand-grip helps absorb shock and vibration Designed to help protect hands from missed hits and to reduce mushrooming from repeated blows. Common 2-3/4" wide chisel edge, overall length 7-1/2". Backed by a Lifetime Warranty. **Made in the USA!** Ship wt. 1.5 lb.

G335 $18.05 3+ $17.61
6+ $17.33

DASCO PRO 3/4" CONCRETE CHISEL WITH TARGETGUARD

Dasco Pro Concrete Chisel for cutting through and breaking up concrete, paving slabs, shaping stones, and more. Features high-carbon steel construction heat-treated to retain a sharp and durable cutting edge. The TargetGuard grip offers a 3-3/4" diameter of protection. Comfortable hand-grip helps absorb shock and vibration. Designed to help protect hands from missed hits and to reduce mushrooming from repeated blows. Concrete chisel 3/4" in diameter with pointed tip, overall length 12". Backed by a Lifetime Warranty. **Made in the USA!** Ship wt. 1.9 lb.

G480 $15.34 3+ $15.02
6+ $14.82



IT'S 2 TOOLS IN 1!

PICARD 28oz CHISEL HAMMER

The Picard Chisel-Hammer is a 2-in-1 tool also known as "The Problem Solver". Its all steel design features both a hardened steel face and chisel end. So there is no need to get out a hammer and a chisel, simply grab this chisel-hammer! This handy tool is great for "facing" natural stone to give a uniform look or when a decorative touch is needed on your hardscape or masonry project. The hardened chisel end is rounded and sharp. The smooth steel face is suitable for driving stakes, spikes, and nails It also features a durable tubular steel handle with an anti-vibration, non-slip grip. This is a one of a kind hammer that you will find many uses for around the job site and will be with you for many years to come. Ship wt 2 lb.

3049 $37.58 3+ $36.58
6+ $35.95

PICARD STONE SLEDGE HAMMERS

The Picard Stone Sledgehammers features a slightly doomed ground square face. This unique sledge also has a sharp ground straight edge that is perfect for accurately splitting stone, pavers, and block. These two faced sledges are also an effective demolition tool. Made with high quality hardened, tempered steel and equipped with wood handles. These stone sledges are made to withstand the abuse of the hardscape industry. Available in 3 sizes.

Item	Size	Handle	Price	3+	6+
5903	3 lb	11"	**$49.69**	**$48.44**	**$47.66**
5907	7 lb	24"	**$74.45**	**$72.26**	**$70.89**
5909	9 lb	28"	**$89.93**	**$87.22**	**$85.52**

16"
TRUE TEMPER

TRUE TEMPER

TRUE TEMPER TOUGHSTRIKE™ HAMMERS

True Temper TOUGHSTRIKE™ Engineer Hammers are equipped with a 16" American Hickory handle to reduce shock. A ring wedge at the handle connection offers excellent hammer head retention. The symmetrical double face, forged steel hammer head is heat treated with polished striking faces. Made for heavy hammering, these hammers are ideal for demolition work and make driving spikes, stakes, and wedges easier. Available in 4 lb and 6 lb options. Backed by a 15 year warranty.

4DFW	4 lb	**$21.76**	**3+ $21.27**	**6+ $20.96**
6DF	6 lb	**$32.94**	**3+ $32.31**	**6+ $31.91**

8-1/2"
TRUE TEMPER

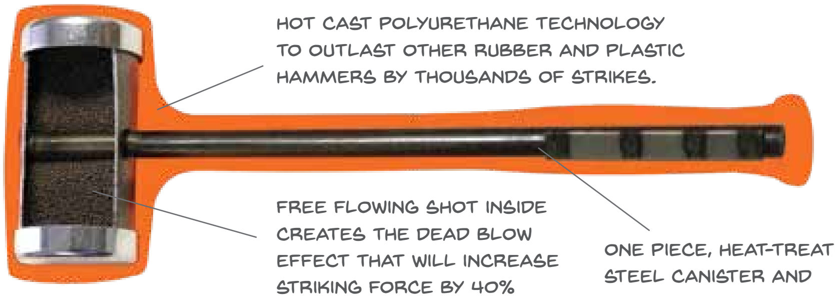
TRUE TEMPER

3 LB. DOUBLE FACE HEAVY HAMMER

Engineer/ blacksmith style, with 3 lb head, hickory handle. Overall length 10". Ship wt 3 lb.

3HS $21.39 3+ $20.97
6+ $20.70

LEONARD DEAD-BLOWS


HOT CAST POLYURETHANE TECHNOLOGY TO OUTLAST OTHER RUBBER AND PLASTIC HAMMERS BY THOUSANDS OF STRIKES.
FREE FLOWING SHOT INSIDE CREATES THE DEAD BLOW EFFECT THAT WILL INCREASE STRIKING FORCE BY 40%
ONE PIECE, HEAT-TREATED STEEL CANISTER AND HANDLE ACT AS A SKELETON.
CONVEX STRIKING FACE FOR LONGER LIFE.

LIFETIME WARRANTY

LEONARD DEAD BLOW HAMMERS

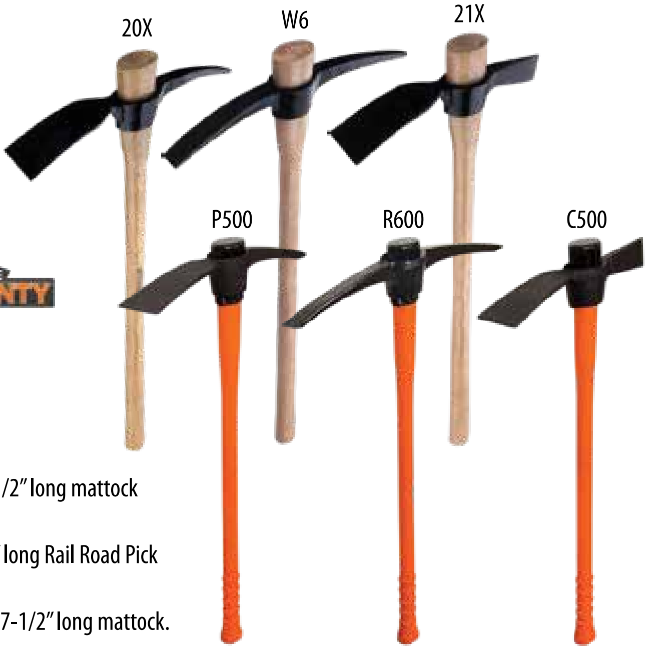
Leonard Dead Blow Hammers utilize polyurethane technology to outlast other rubber and plastic hammers by thousands of strikes. Underneath this heavy duty, hot cast polyurethane jacket is a steel shot filled canister. The free flowing shot inside creates the dead blow effect that will increase striking force by 40% and virtually eliminates rebound. This sustained impact and minimal bounce back reduce user fatigue while improving productivity! Unlike cheap plastic dead blow hammers, our poly dead blow hammers feature a convex striking face and a steel reinforced handle that will withstand the most severe striking applications. There is more material around striking faces where you need it most. And a convex shape to the face will resist cracking, chipping, and splitting. The non-sparking, non-marring, chemical resistant polyurethane jacket minimizes damage to struck objects. The one piece, heat treated steel canister and handle act as a skeleton and provide plenty of over strike protection. Making this hammer extremely effective and virtually unbreakable. **Made in the USA. Lifetime Warranty.**

Item	Handle Length	Ship wt	Price	3+	6+
AML3DB	12″	2.8 lb	**$47.82**	**$46.76**	**$46.09**
AML4DB	12-1/2″	3.3 lb	**$66.44**	**$65.00**	**$64.11**
AML7DB	16-1/2″	5.5 lb	**$96.87**	**$94.80**	**$93.51**
AML10DB	26″	9 lb	**$134.83**	**$131.99**	**$130.22**
AML12DB	26″	10.5 lb	**$179.61**	**$175.86**	**$173.52**
AML14DB	32″	12 lb	**$199.52**	**$195.63**	**$193.20**

TOP QUALITY THAT'S MADE TO LAST!

https://youtu.be/V2Ugn0EX0lo

LIFETIME WARRANTY


20X
W6
21X
P500
R600
C500

LEONARD MATTOCKS AND PICKS

Heavy duty forged heads tackle tough jobs, like breaking hard ground, cutting roots, digging small trenches, and more. Standard #6 eye. Choose from traditional hickory handle or composite handle options. 36″ handles. Ship wt 8.5 lb. **Lifetime Warranty. Handles are made in the USA!**

Pick Mattocks:
Head has an 8″ long pick and 7-1/2″ long mattock

Rail Road Picks:
Have a 9-3/4″ Pick and a 10-1/4″ long Rail Road Pick

Cutter Mattocks:
Feature a 5-1/2″ long cutter and 7-1/2″ long mattock.

Item	Head	Handle	Price	3+	6+
P500	Pick mattock, 5 lb	Composite	**$70.58**	**$68.90**	**$67.86**
20X	Pick mattock, 5 lb	Hickory	**$55.43**	**$53.87**	**$52.90**
R600	Railroad pick, 6 lb	Composite	**$74.23**	**$72.52**	**$71.45**
W6	Railroad pick, 6 lb	Hickory	**$57.69**	**$56.21**	**$55.28**
C500	Cutter mattock, 5 lb	Composite	**$71.67**	**$69.97**	**$68.91**
21X	Cutter mattock, 5 lb	Hickory	**$56.00**	**$54.46**	**$53.50**

REPLACEMENT HANDLES AND HEADS

Item	Replacement Parts	Ship wt	Price
HPH	36″ Hickory Handle	3 lb	**$39.41**
CPH	36″ Composite Handle	3 lb	**$42.85**
XC5	Cutter Mattock Head	5 lb	**$33.07**
XP5	Pick Mattock Head	5 lb	**$31.97**
XW6	RailRoad Pick Head	6 lb	**$36.82**

SIMPLEX 80MM RUBBER SLEDGE

This highly versatile rubber sledge is perfect for hardscape jobs. Use to align and level pavers and block, or to work on machinery. Patented split housing design made from heavy duty cast iron locks striking faces into place and allows worn faces to be easily replaced. This simplex sledge hammer is equipped with a 28" hickory handle and 2 durable rubber striking faces. 31-1/2" overall length. Ship wt 7 lb.

SP81BB **$119.69**
32448L Repl. Hdl.
$38.03 **3+ $36.81**

SIMPLEX 80MM WALL MALLET

Simplex 7 lb wall mallet with 80mm replaceable faces. Comes with white superplastic and black rubber inserts and a hikory handle. All held together by a cast iron housing. With a long list of uses, Halder Simplex Mallets have become a hardscaping must.

SP80BW
Mallet white/black inserts
$136.64 **3+ $133.92** **6+ $132.22**

SP80BB Mallet black rubber inserts
$109.58 **3+ $106.21** **6+ $104.11**

324480 Repl. Handle
$11.04 **3+ $10.77** **6+ $10.61**

HALDER SIMPLEX 60MM STAND-UP MALLET

This Simplex Mallet stands up on its own. This ability is possible thanks to Halder's new rubber stand-up insert. They make this insert using the same heavy-duty black rubber as their other Simplex mallets. They also include a 2-3/8-inch (60-millimeter), non-marring TPE insert. A cast steel housing holds this head together, making it incredibly durable. Halder finishes this 3-1/2-pound mallet with a replaceable 16-inch hickory handle.

302326 **$79.83**
3+ $77.61 **6+ $76.22**

Insert
32026 **$18.38**

Repl. Handle
324460 **$10.91**
3+ $10.62 **6+ $10.44**

SIMPLEX 60MM PAVER MALLET

Simplex 3.5 lb paver mallet with 60mm replaceable faces. Comes with white superplastic and black rubber inserts and a hickory handle. All held together by a cast iron housing. With a long list of uses Halder Simplex Mallets have become a hardscaping must.

SP60RB Red/black inserts
$74.67 **3+ $73.28** **6+ $72.41**

SP60BW Black/white inserts
$79.98 **3+ $78.46** **6+ $77.51**

SP60BB Black rubber inserts
$63.86 **3+ $62.13** **6+ $61.06**

324460 Repl. Handle
$10.91 **3+ $10.62** **6+ $10.44**

TRUE TEMPER TOUGHSTRIKE™ SLEDGE HAMMERS

True Temper TOUGHSTRIKE™ Sledge Hammers are ideal for heavy demolition work and driving spikes, stakes, and wedges. The double face, steel hammer heads are forged and heat-treated with polished striking faces. Equipped with a 36" American hickory handle that helps reduce shock. The TOUGHSTRIKE™ sledge handles also feature an overstrike protection sleeve to prevent handle breakage. A ring wedge at the handle connection offers trusted hammer head retention. Available in 8 lb and 12 lb options, and
backed by a 15 year warranty.

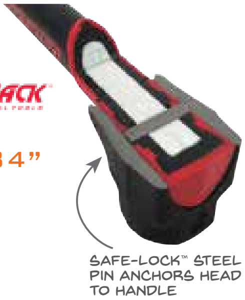
201850 8 lb **$39.75**
3+ $38.99 **6+ $38.52**

201854 12 lb **$57.35**
3+ $56.15 **6+ $55.39**

RAZOR-BACK DOUBLE FACE HAMMER

The Razor-Back double face hammer is equipped with a 15" fiberglass handle and forged steel head. This hammer offers additional weight to make driving stakes, spikes or wedges easier. A great choice for landscape and construction professionals. Ideal for demolition work, forming concrete, installing ground anchors, and more. The patented Safe-Lock™ steel anchoring system features a steel pin at the head-to-handle connection. A connection that will never separate, and maximizes strength and safety. Made with a solid fiberglass core and a soft grip to dampen vibration and featuring a baseball bat end to allow for a secure grip. Backed by a Lifetime Warranty.

31110 4 lb **$45.40** **3+ $44.21** **6+ $43.46**
31116 6 lb **$54.73** **3+ $53.71** **6+ $53.07**



RAZOR-BACK® SLEDGE HAMMERS

Razor-Back® Sledge Hammers are excellent for demolition of all kinds including demo of concrete, tile, and drywall. Constructed with a 34" fiberglass handle and forged steel head. The patented head to handle connection has a reinforced steel pin. This Safe-Lock™ steel-anchored head offers maximum safety and is a great choice for professionals. Combined with triple layer overstrike protection, this sledge is virtually indestructible. The fiberglass handle features a soft grip to dampen vibration and the "baseball bat" shaped end makes for a secure grip. Backed by a lifetime warranty.

31130 8 lb **$71.98** **3+ $70.63** **6+ $69.78**
31160 12 lb **$94.32** **3+ $92.57** **6+ $91.47**

LIFETIME WARRANTY

LEONARD TRENCHING SHOVEL WITH FIBERGLASS HANDLE

Leonard Trenching Shovels are designed with numerous features that maximize both strength and efficiency. The blade design alone offers superior strength, scoop capacity, and weight savings. Our unique trenching shovel blade has tapered sides, this improves efficiency by dramatically increasing the scoop capacity. These tapered sides and embossed ribs also provide additional strength and rigidity for tough digging. And a solid fiberglass core is installed at the shovel blade and handle connection, for a virtually indestructible tool. The strength in design allows a lighter 14 gauge steel to be used for the shovel blade. Increasing strength yet shaving the overall tool weight to less than 5.5 lb! Equipped with a 44″ fiberglass handle, for an overall tool length of 64″. 34″ handle lift. A 35° blade angle ensures that our trenching shovels perform well for both digging and cleanout work. Leonard Trenching Shovels are a must when installing landscape drainage and irrigation systems. Available in 4″ and 5″ options that are ideal for hard digging and efficient clean out. This blade design is a must for quickly cleaning out after common walk-behind trenching machines. Backed by a **Lifetime Warranty.**

ATS4	4″ blade	Ship wt 5.1 lb
$47.70	**3+ $46.65**	**6+ $45.99**
ATS5	5″ blade	Ship wt 5.2 lb
$49.95	**3+ $48.65**	**6+ $47.83**

LEONARD #0 ROUND-POINT SHOVELS

Tough soils and tight locations require a moderate size tool to dig efficiently. The Leonard #0 Round-Point Shovels are slightly smaller than the industry standard #2 Round-Point Shovels. Offering maneuverability and leverage where it's needed. Perfect for virtually any task, the #0 shovels are ideal for small plantings. The tempered 16 gauge steel shovel blade measures 7-1/2" wide by 9-3/4". Featuring a light weight, open back design. Available with a 30" medal D-Grip handle or 48" long handle, each produced with American Hardwood. **Made in the USA!**

AR750D	**AR750L**
30″ D-grip	48″ Straight
22″ handle lift	35″ handle lift
Ship wt 3.6 lb.	Ship wt 3.9 lb.
$58.19	**$49.30**

#0 ROUND-POINT SHOVEL HEAD, SLIGHTLY SMALLER THAN THE INDUSTRY STANDARD #2 ROUND-POINT SHOVELS.

AR750D
AR750L

LEONARD CONTRACTOR SHOVELS

These cost effective, contractor grade shovels have a 14 gauge spring steel blade assembled with your choice of fiberglass or American Hardwood handle. The same open-back shovel blade style we have used on our SPS shovels for years, but in a new material! Spring steel resists permanent deflection and is a perfect mix of strength and durability. Leonard contractor grade shovel blades feature forward turned footsteps and are powder coated to help prevent rust. Fiberglass and American Hardwood handles are 48″ for an overall tool length of 59″. Fiberglass handles feature solid core design and a press fit collar at the blade to handle connection, complete with an 8″ grip. Ship wt 5 lb.

SQ770	**FSQ760**
48″ Wood handle	48″ Fiberglass handle
31″ handle lift	31″ handle lift
Ship wt 5 lb.	Ship wt 5 lb.
$27.71	**$37.30**

SQ770
FSQ760

LEONARD CONTRACTOR SHOVELS

These cost effective, contractor grade shovels have a 14 gauge spring steel blade assembled with your choice of fiberglass or American Hardwood handle. The same open-back shovel blade style we have used on our RPS shovels for years, but in a new material! Spring steel resists permanent deflection and is a perfect mix of strength and durability. Leonard contractor grade shovel blades feature forward turned footsteps and are powder coated to help prevent rust. Fiberglass and American Hardwood handles are 48″ for an overall tool length of 59″. Fiberglass handles feature solid core design and a press fit collar at the blade to handle connection, complete with an 8″ grip.

RP270	**FRP260**
48″ Wood handle	48″ Fiberglass handle
28-1/2″ handle lift	23″ handle lift
Ship wt 5 lb.	Ship wt 5 lb.
$26.44	**$36.70**

RP270
FRP260

LEONARD FORGED SQUARE SHOVELS

This is the top of the line when it comes to shovels. Our forged blade shovels are the strongest, hardest working shovels we offer. All three feature a 12 gauge blade measuring 8-3/4" x 11-1/2" (our two long handled shovels have a 33" handle lift, while the D-grip version has a 22" handle lift). American Hardwood handle. Ship wt 6 lb. **Lifetime Warranty.**

FSW30
30" D-Grip Handle
12 gauge forged blade
22" handle lift
Blade: 8-3/4" x 11-1/2"
$64.22 3+ $62.53
6+ $61.48

FSW4
48" Handle
14 gauge forged blade
33" handle lift
Blade: 8-3/4" x 11-1/2"
$62.84 3+ $60.83
6+ $59.57

LEONARD FORGED ROUND-POINT SHOVELS

Our forged shovel blades have thicker steel at the most critical stress points, making them the most powerful shovel blades for the weight. The lower socket, shank and top blade are thicker for extra strength. The 12 gauge forged blade is 9" x 11-1/2". American Hardwood handle. Ship wt 7 lb. **Lifetime Warranty.**

FWD30
30" D-Grip Handle
17-1/2" handle lift
$63.46 3+ $61.82
6+ $60.79

FW4
51" Straight
26-1/4" handle lift
$59.72 3+ $57.81
6+ $56.61

IS2A
IS2D
IS2C

LEONARD FORGED CAPROCK IRRIGATION SHOVELS

Our strong, 12 gauge forged steel Caprock Shovels feature an extended socket to handle tough jobs. Leonard Caprock Shovel Blades measure approximately 9-1/4" wide by 9-3/4" tall. Similar to a spade, the shallow bowl and low, 2-1/8" blade lift enable near vertical digging. Caprock shovels are great for use in any soil type or digging task. Proven most effective for digging in soft, muddy, sandy soils. Leonard Caprock Shovel blades are press fitted and double riveted to a handle of your choice. **Lifetime Warranty.**

IS2D 30" D-Grip, 42" overall, 9" handle lift. Ship wt 5.5 lb.
$82.85

IS2A 48" Straight, 56" overall, 14-1/2" handle lift. Ship wt 5 lb.
$79.52

IS2C 48" Straight Composite Tuff-Flex, 57" overall, 13-1/2" handle lift, Ship wt 5.6 lb.
$81.08 3+ $79.84
6+ $79.07

LEONARD DRAIN SPADE

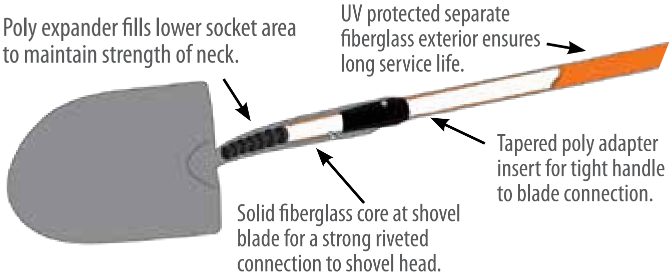
The Leonard Drain Spade features an extra thick 12 ga., 16" steel blade. Closed-back construction delivers high strength, durability and prevents soil buildup behind the blade. The larger sized turned steps aid in foot comfort and are Leonard Foot Pad compatible. The long, narrow blade digs efficiently to transplant shrubs, roses, and small trees, as well as its original purpose of digging trenches for drainage and other uses. Outfitted with an American Hardwood handle with your choice of long handle or D-grip style. Now available with 48" Tuff-Strong fiberglass handle. Blade size 5-3/4" x 16". 30" D-grip with 46" overall length. 48" handle with 64" overall. Wt 4.9 lb. **Lifetime Warranty.**

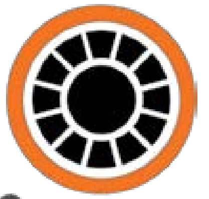
AD16 D-Grip Handle, 6" handle lift
$53.63 3+ $52.78 6+ $52.25

AD16L Long Handle, 10" handle lift
$46.37 3+ $44.89 6+ $43.96

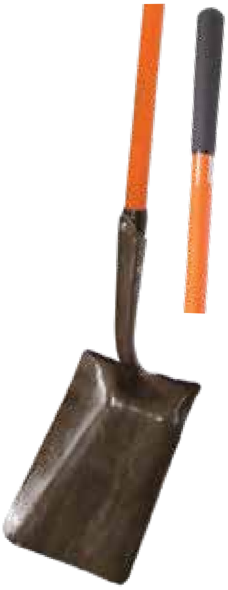
AMFP Foot Pad Only
$9.99 3+ $9.67 6+ $9.47

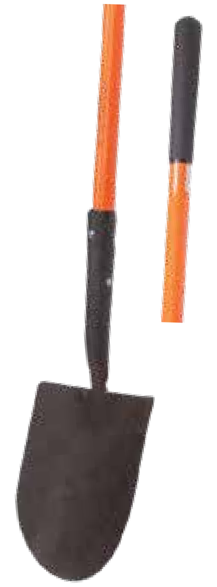
INDUSTRY'S STRONGEST FIBERGLASS HANDLE.

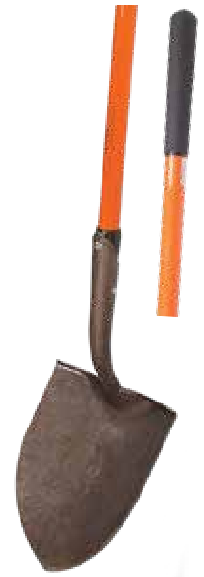

Poly expander fills lower socket area to maintain strength of neck.
UV protected separate fiberglass exterior ensures long service life.
Tapered poly adapter insert for tight handle to blade connection.
Solid fiberglass core at shovel blade for a strong riveted connection to shovel head.

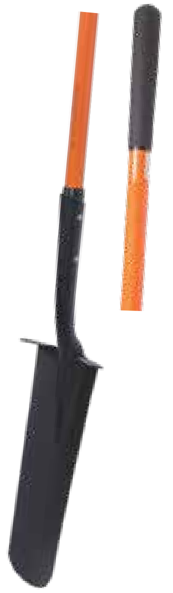


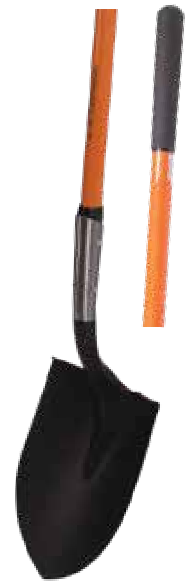
Multi-chambered, thick wall fiberglass, with a honeycomb interior, runs the complete length of the handle for an incredibly strong design. A resin veil exterior finish resists splintering of the fiberglass.











LIFETIME WARRANTY

LEONARD FORGED SQUARE-POINT SHOVEL WITH 48" HONEYCOMB FIBERGLASS HANDLE

Strong, and dependable forged square shovel blade. Thick 12 gauge wide mouth transfer shovel blade makes quick work of transferring and scooping tasks. Measuring 9-3/8" wide x 11-1/2" blade yields a 33" handle lift. Overall tool length of 58-1/2". Equipped with exclusive Honeycomb fiberglass handle and cushion grip. Assembled in house by A.M. Leonard for consistent quality, built to provide many years of service. Ship wt. 6.5 lb. **Lifetime Warranty.**

A5350 $76.51
3+ $74.90 6+ $73.89

LIFETIME WARRANTY

LEONARD CAPROCK IRRIGATION SHOVEL WITH 48" HONEYCOMB FIBERGLASS HANDLE

The Caprock Shovel comes with a dished shape, 12 gauge blade, making it an extremely versatile shovel. Ideal for any digging task, caprock shovels can be used for virtually any round point shovel task. The low, 14" handle lift enables near vertical digging which works well for many spading tasks. Perfect for tree harvesting and transplanting, proven most effective for digging in soft, muddy, sandy soils. The blade measures 9" wide x 9-3/4" for an overall tool length of 56". Equipped with exclusive Honeycomb fiberglass handle and cushion grip. Assembled in house by A.M. Leonard for consistent quality, built to provide many years of service. **Lifetime Warranty**. Ship wt. 6.1 lb

A4350 $95.87

LIFETIME WARRANTY

LEONARD FORGED ROUND-POINT SHOVEL WITH 48" HONEYCOMB FIBERGLASS HANDLE

Our hardest working and longest lasting digging shovel. The A3350 Shovel offers one of the best durability to weight ratio's in the industry. Designed to withstand years of all day digging. Ideal for any digging task. Strong components at manageable weight. Measuring 8-7/8" wide x 11-1/2" blade yields a 33" handle lift. Overall tool length of 58-1/2". Equipped with exclusive Honeycomb Fiberglass Handle and cushion grip. Assembled in house by A.M. Leonard for consistent quality, built to provide many years of service. **Lifetime Warranty.** Ship wt. 6.2 lb

A3350 $75.15
3+ $73.63 6+ $72.68

LIFETIME WARRANTY

LEONARD DRAIN SPADE WITH 48" HONEYCOMB FIBERGLASS HANDLE

Long, narrow drain spade blade digs efficiently for use as a Sharp Shooter to transplant shrubs, roses, and small trees. As well as its original purpose of digging trenches for drainage and other uses. The 16" Drain spade blade with turned steps is AMFP Leonard Foot Pad compatible. Blade tapers from 5-3/4" to 4-1/8" wide with a rounded and sharpened bottom edge. A low 10" handle lift and overall tool length of 65" offers near vertical digging. Equipped with exclusive Honeycomb fiberglass handle and cushion grip. Assembled in house by A.M. Leonard for consistent quality, built to provide many years of service. **Lifetime Warranty.** Ship wt. 6 lb

AD16FL $59.48
3+ $58.42 6+ $57.75

LIFETIME WARRANTY

LEONARD CLOSED-BACK ROUND-POINT SHOVEL WITH 48" HONEYCOMB FIBERGLASS HANDLE

A close second to the A3350 forged digging shovel. The A2350 features a popular and cost effective stamped steel, closed back shovel blade, one of the best durability-to-weight ratio's for the price. Designed to withstand years of all day digging. Ideal for any digging task, the closed back shovel blade reduces soil build up while digging. Measuring 8-7/8" wide x 11-1/2" blade yields a 27" handle lift. Overall tool length of 60-1/2". Equipped with exclusive Honeycomb fiberglass handle and cushion grip. Assembled in house by A.M. Leonard for consistent quality, built to provide many years of service. **Lifetime Warranty.** Ship wt. 5.5 lb.

A2350 $54.25

J-450 PONY CAPROCK IRRIGATION SHOVEL

This Jackson Professional Tools Caprock shovel is ideal for breaking up dense materials including coral, rock, clay, decomposed granite, and more. This tool features a forged solid steel shank and blade, the semi-flat bowl blade measures 9″ wide by 10″ with a 19-1/2″ handle lift. Equipped with a 47″ hardwood wood handle for strength. Ship wt 5.9 lb. **Limited Lifetime Warranty.**

2IS $103.49
3+ $101.88
6+ $100.88

JACKSON FORGED ROUND-POINT

Original 8-3/4″ x 11-1/2″ pony blade design, forged from 12 gauge steel for maximum strength. Solid shank. Turned step. 27″ D-grip or 47″ ash handle. Ship wt 5 lb.

Straight Handle
29-1/2″ handle lift
5B2 $77.26
3+ $75.97
6+$75.16

D-Grip
20-1/2″ handle lift
3B2 $76.65

JACKSON PROFESSIONAL J-450, PONY #2 IRRIGATION SHOVEL

Also known as a “Spading Shovel” for its low 23″ handle lift. Deep bowl round-point is otherwise similar to a caprock shovel. This unique shovel covers a wide variety of irrigation, clearing, spading and shoveling tasks. Heavy-duty 12 gauge forged blade measures 9″ x 11-1/2″. The solid steel shank is equipped with a 47″ American Ash handle for a complete tool length of 58″. Ship wt 5 lb. **Lifetime Warranty.**

B1B $97.91

CORONA ALL STEEL CAPROCK SHOVEL

All-steel Caprock shovel for spading, planting, cutting roots and general digging. 10″ heat-treated heavy duty 12 ga beveled blade. Deep bowl with a 14-1/2″ handle lift, 58″ overall length. Closed-back adds strength. 48″ steel handle with rubber grip. 10″ blade. Ship wt 8 lb. WARNING All Steel shovels and spades should not be used in areas where underground electric lines, wires or cables may be present.

AS320 $134.94
3+ $132.94
6+ $131.69

AMES PONY FORGED SQUARE POINT SHOVEL

Designed for professionals who expect durability. This sturdy square point shovel is perfect for moving and transferring all types of loose material. It can also be used to shape landscape beds, mix concrete, scrape surfaces, etc. Measuring 9-1/4″ x 12″ with a 33-1/2″ handle lift, the forged steel shovel blade has a smooth back to prevent dirt and mud build up as well as an extended socket for a strong handle connection. 47″ stained hardwood handle. Limited lifetime warranty. Ship wt. 5.4 lb. Ship wt 6 lb.

12503 $77.20

JACKSON TRANS-PLANTING & DRAIN SPADE

Designed for digging narrow trenches and cleaning out existing ditches. It is also great for transplanting and planting trees, shrubs, and more. Professional quality, forged drain spade with solid shank construction offers maximum strength. A curved, 14″ long tapered blade measures 5-1/4″ wide, 27″ hardwood handle. Ship wt 5 lb. **Limited Lifetime Warranty.**

A1414
$82.44 3+ $81.46
6+ $80.85

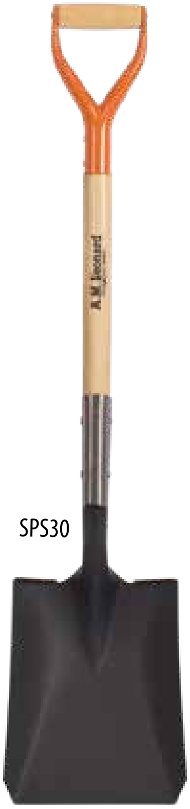
RAZOR-BACK® 16” DRAIN SPADE WITH FIBERGLASS D-GRIP

Special narrow, curved blade design, 5-1/2″ x 16″. Turned step, cushioned poly D-grip with 27″ fiberglass handle. Rounded point to help penetrate hard soil. 6-3/4″ handle lift. Ship wt 4 lb.

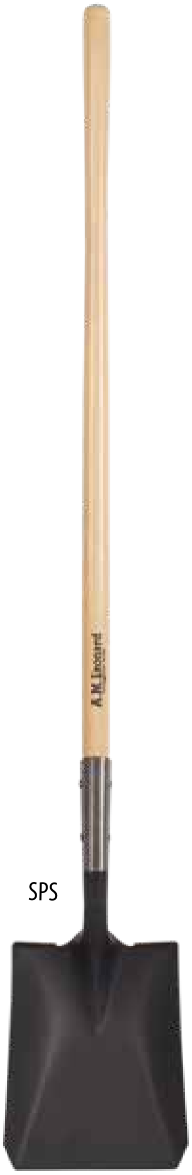
15588 $64.97

OPEN BACK

OPEN BACK DESIGN: Ideal for any budget. Shovel blades are stamped into shape and provide a lower price and a low weight, making it a popular choice to outfit your whole crew.



SPS30



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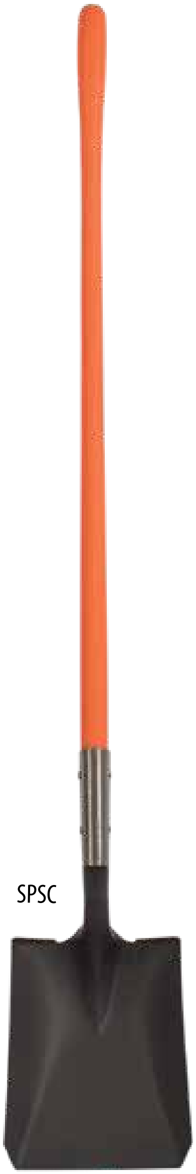

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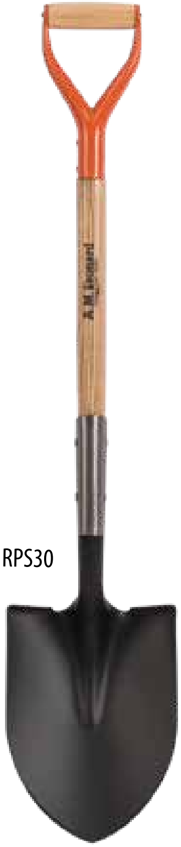

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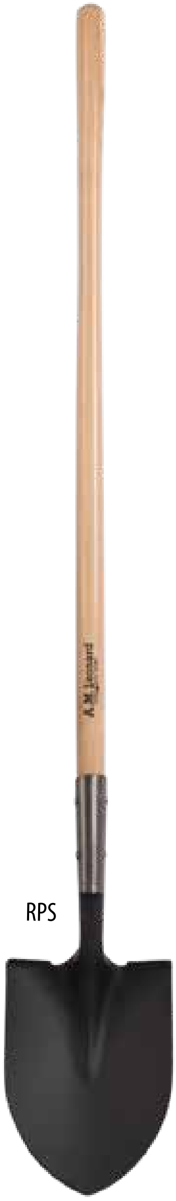

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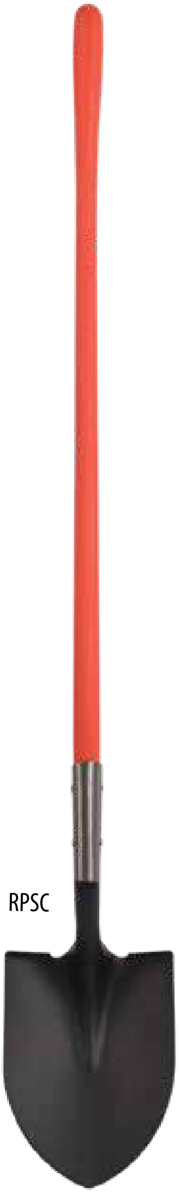


RPSC

LIFETIME WARRANTY

LEONARD OPEN BACK SQUARE SHOVELS

Industry standard square transfer shovels with open back blade. Strong and lighter weight to maximize efficiency. Great for scooping and transferring of all materials. Choose from three handle options. All three feature a 14 gauge blade measuring 8-3/4" x 11-3/4". Our two long handled shovels have a 27" handle lift, while the D-grip version has an 18" handle lift. Lifetime Warranty.

SPS30	**SPS**	**SPSC**
30" D-Grip	48" Wood	48" Tuff-Flex
18" handle lift	27" handle lift	27" handle lift
Ship wt 6 lb.	Ship wt 5 lb.	Ship wt 5.8 lb.
$49.85	**$32.56**	**$44.92** **3+ $44.30** **6+ $43.92**

LIFETIME WARRANTY

LEONARD OPEN BACK ROUND-POINT SHOVELS

An affordable option for outfitting your whole crew. A.M. Leonard starts with a tough 14 gauge blade, and then adds a variety of top quality handle options. Other common features of these open back shovels include: forward turned steps for stable foot support, strong tempered steel blades, and coatings that resist rust. A terrific value. Blade is 8-3/4" x 12". Lifetime Warranty.

RPS30	**RPS**	**RPSC**
30" D-grip	48" Straight	48" Tuff-Flex handle
17-1/2" handle lift	26-1/4" handle lift	26-1/4" handle lift
Ship wt 6 lb.	Ship wt 5 lb.	Ship wt 5.7 lb.
$43.19	**$32.90**	**$39.56**

AFS210
AFS210D

LEONARD FLORAL SHOVELS

Originally designed for digging in loose soils, these A.M. Leonard quality Floral Shovels will dig in any soil condition. Weighing only 2.5 lb and equipped with a miniature 6" x 8" round-point Floral Shovel blade. This tool is the perfect size and weight for gardening tasks. Ideal for mixing in soil amendments, planting trays and transplanting containers. Floral Shovels are a popular tool in raised bed gardening, rooftop gardening, and greenhouse growing environments. These open back Floral Shovel blades have a 3-3/4" blade lift that aids in mixing, digging, and spading tasks. The blade has small forward turned steps for foot placement. And is equipped with your choice of American Hardwood Handle. The 40" long handle option has an overall tool length of approximately 54". And the 14-1/2" poly D-Grip handle option has an overall tool length of approximately 29". **Lifetime Warranty.**

AFS210D	**AFS210**
14-1/2" D-grip	40" Straight
8-1/2" handle lift	17-1/2" handle lift
Ship wt 2.25 lb.	Ship wt 2.5 lb.
$27.80	**$25.58**
3+ $27.19	**3+ $24.89**
6+ $26.81	**6+ $24.45**

LEONARD SHORTIE TRANSPLANT SPADE

The Shortie Transplant Spade picks up where the trowel leaves off! When the hand trowel just isn't large enough or too difficult to manage, step up to the Shortie Transplanter. Great for working at ground level to plant annuals and perennials, divide plants, and strip sod. Spade tapers from 6" to 4-1/2". Fiberglass handle with poly D-grip. 6-1/2" handle lift. 26" overall length. Wt 3 lb. **Lifetime Warranty.**

TBH **SALE $48.49**
While Supplies Last!

MAGNETIC LANDSCAPERS' CLIP

The perfect storage and organization device. Designed with contractors in mind, containing a powerful 80 lb pull force neodymium magnet for sturdy mounting on steel surfaces. This versatile clip includes an insert for smaller diameter handles. It fits nearly all professional-grade long-handled tools with a handle diameter of 7/8" to 1-5/8". Use these Magnetic Landscapers' Clips to make the most of your storage space. Or use them to mount your tools to your machine, keeping them both safe and accessible. Ship wt .5 lb. **Sold in pairs. Made in the USA.**

LANDCLIP **$25.71** **3+ $24.98**
6+ $24.53

RA18
RA003
RA001

THE ROOT ASSASSIN

The Root Assassin is designed specifically for tough jobs that involve getting to the root. With serrated edges on both sides of the shovel and a unique ability to cut the root while digging in and pulling out, the Root Assassin is the only solution. The combination of weight, length, shape of head, strength and balance make the Root Assassin a garden tool like no other.

32". Ship wt 3.75 lb
RA001 **$39.67**

48". Ship wt 5.6 lb
RA18 **$57.59**

58". Ship wt 6 lb
RA003 **$57.53**
3+ $56.67 **6+ $56.14**

RAKE ASSASSIN

The unique design of the Rake Assassin is extremely effective for gardening. The Rake Assassin lets you rake, collect, skim, sift, dump, and haul almost anything in the landscape that requires a sturdy yet delicate touch. Use it for mowed grass, leaves, tree waste, pruning clippings, weeds, and moss. The Rake Assassin removes waste from the lawn, flower beds, paths, gravel, and even from garden ponds! 62" overall tool length. 18-tine rake head is 15-1/2" wide. Ship wt 1.75 lb.

GG001 **$54.85**

CLOSED BACK

CLOSED-BACK DESIGN: Next level. Features a "closed-back" plate to add strength and rigidity and helps to keep a flat, smooth surface to prevent added weight due to soil buildup.

SQW30

SQW4

SQC4

AMLA30

AMLA

AMLF

LIFETIME WARRANTY

LEONARD CLOSED-BACK SQUARE SHOVELS

A step up in quality, this closed-back design virtually eliminates soil buildup on the back of the blade and offers a little more rigidity. All three feature a 14 gauge blade measuring 8-3/4" x 11-1/2". Our two long handled shovels have a 31" handle lift, while the D-grip version has an 20" handle lift. Ship wt 6 lb. **Lifetime Warranty.**

SQW30
30" Hardwood D-Grip
20" handle lift

$47.46

SQW4
48" American Hardwood
31" handle lift

$39.42 3+ $38.87
6+ $38.53

SQC4
48" Tuff-Flex handle
31" handle lift

$45.98 3+ $44.51
6+ $43.59

LIFETIME WARRANTY

LEONARD CLOSED-BACK ROUND-POINT SHOVELS

Additional section of steel welded across the shovel back adds rigidity and creates a flat, smooth surface, preventing soil buildup. Also includes an extended 11" socket for a longer transition creating a stronger head-to-handle connection. High strength tempered steel blades have a black coated surface to resist rust and cleanup more easily. Blade is 8-3/4" x 12". Ship wt 6 lb. **Lifetime Warranty.**

AMLA30
30" Hardwood D-grip
20-1/2" handle lift
$42.89

AMLA
48" American
Hardwood handle
28-1/2" handle lift
$37.85 3+ $36.64
6+ $35.88

AMLF
48" Tuff-Flex Handle
28-1/2" handle lift
$44.28 3+ $43.61
6+ $43.19

RAZOR-BACK® SQUARE SHOVEL WITH HARDWOOD HANDLE

Razor-Back® dependability with turned step for extra digging power! Open back design. 14 ga blade is 9-3/4" x 11-1/2". 48" straight wood handle and 32" handle lift. Ship wt 5 lb. **Made in the USA. Limited Lifetime Warranty.**

95KD $36.37
3+ $35.86
6+$35.54

RAZOR-BACK® SQUARE POINT

Closed-back prevents soil buildup. 14 gauge steel 9-1/2" x 12" blade. Turned step. 48" straight ash handle with a 33-1/2" handle lift Ship wt 5 lb. **Made in the USA. Limited Lifetime Warranty.**

CB48 $54.69
3+ $53.69
6+$53.07

RAZOR-BACK® SQUARE SHOVEL WITH FIBERGLASS HANDLE

Open back. 14 gauge 9-3/4" x 11-1/2" blade. 47" straight fiberglass handle with a 33-1/2" handle lift. Ship wt 5 lb. **Limited Lifetime Warranty.**

15505 $43.75
3+ $43.17
6+$42.80

RAZOR-BACK® ROUND-POINT SHOVEL WITH HARDWOOD HANDLE

Features a 14 ga steel blade that measures 8-3/4" by 11-3/4" in length, with a 48" hardwood handle. Perfect for digging in hard, rocky soil. Forward-turned steps provide a more secure foot placement for safer use, comfort and control. Ship wt 4.2 lb. **Made in the USA. Limited Lifetime Warranty.**

98KD
$35.85
3+ $35.38
6+ $35.08

RAZOR-BACK® ROUND-POINT SHOVEL WITH FIBERGLASS HANDLE

Features a 14 ga steel blade, forward-turned steps, and an open-back design with a steel ribbon reinforcement to the back to maximize durability. 48" long fiberglass handle with extended tab socket with crimped steel collar to maximize strength. Cushioned end grip. Ship wt 5 lb. **Limited Lifetime Warranty.**

15583
$42.80
3+ $42.27
6+ $41.94

RAZOR-BACK® ROUND-POINTS

Closed-back design prevents soil buildup. Double riveted handle. 14 gauge steel blade is 8-3/4" x 11". Turned step. Ash handles in 30" D-grip or 48" straight styles. Ship wt 5 lb. **Limited Lifetime Warranty.**

RB48
Straight Handle
33-1/2" handle lift
$49.96 3+ $49.31
6+$48.91

RBUD
D-grip Handle (not pictured)
22-1/2" handle lift
$57.32 3+ $56.25
6+$55.59

RAZOR-BACK® ROUND-POINT W/ FIBERGLASS

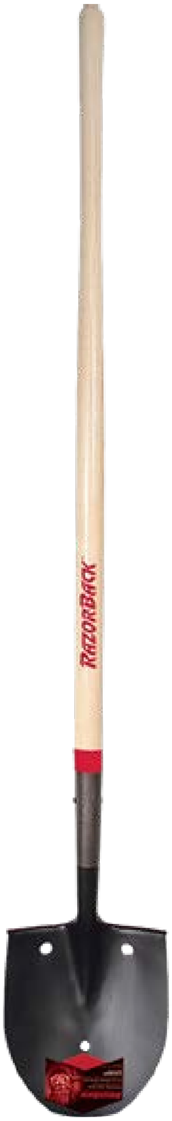
Razor-Back,® engineers this tool to withstand heavy-duty labor. It is tough enough to dig in the hardest, rockiest soils. The closed back design eliminates soil buildup during use. Fiberglass handle has double rivets with a 31-3/4″ handle lift. 9-1/2″ x 12″ blade is 14 gauge steel. Closed-back, turned step. 5-3/4″ blade lift. 48″ handle. Ship wt 6 lb. **Limited Lifetime Warranty.**

613RP
$54.96

TRUE TEMPER ROUND-POINT EXCAVATOR SHOVEL

Features an innovative and aggressive blade design, a heavy-duty, forged shovel blade that has a more pronounced round-point for maximum penetration. Great for digging in particularly hard and rocky soil with additional scoop capacity! Measuring 10-1/8″ wide and 12-1/2″ from the turn steps. Also features comfort turned steps for secure foot placement. Equipped with a 47″ solid core fiberglass handle with a 28″ handle lift, for an overall tool length of 59″. Backed by a 15 year warranty. Ship wt 5.5 lb.

25842 $45.28
3+ $44.07
6+ $43.32



NEW

RAZOR-BACK RICE SHOVEL WITH 48" WOOD HANDLE

A must have when working in wet conditions. The Razor-Back Rice Shovel is designed for use in sticky waterlogged soils. The perforated shovel blade has 3 holes in the blade and features a rounded edge with with a clipped point. The holes are placed in a pattern to allow the blade to to break suction when digging in sticky soil. Holes also double as drainage holes when digging in standing water. Equipped with a 48" hardwood handle. Overall tool length is 58-5/8". Ship wt. 4 lb. **Limited Lifetime Warranty.**

40105 Ship wt 4 lb.
$39.62 3+ $39.13
6+ $38.83

25936

25944

RAZOR-BACK® SUPER SOCKET ROUND-POINT SHOVELS

Not your normal round-point. These Razor-Back® digging shovels feature a SuperSocket® handle connection and PowerStep® oversized, cleated turn steps. The SuperSocket® is a full 5" longer than the industry standard socket, strengthening the shovel where you need it most. This extended socked offers maximum leverage and prying power. And the extra large, cleated PowerStep® offers the secure foot placement needed to dig through hard-packed, rocky soil. 14 ga, 9-1/2" x 12" round-point in a light weight open back design. **Made in the USA. Limited Lifetime Warranty.**

25936
48″ Wood with 10″ grip, 32″ handle lift.
Ship wt 4.2 lb.
$39.57 3+ $39.06 6+ $38.74

25944
48″ Fiberglass, 12″ grip, 30-1/4″ handle lift.
Ship wt 5.24 lb.
$46.95 3+ $46.36 6+ $46.00

RAZOR-BACK® ALUMINUM SCOOP SHOVELS

In 3 styles for clearing snow & cleanup. Lightweight alloy is non-sparking, corrosion resistant. Ash handle. Blade is .101" thick. Ship wt 5 lb.

31" D-Grip handle
14-3/4" x 18-3/4" blade
1412 $66.88 3+ $65.52
6+ $64.66

31" D-Grip handle, 15-1/4" x 19-3/4" blade (not pictured)
1414 $69.32 3+ $68.24
6+ $67.56

48" straight handle
14-1/2" x 17-3/4" blade
141L $76.46 3+ $75.32
6+ $74.61

RAZOR-BACK® SIZE #6 STEEL SCOOP SHOVEL

A wide mouth workhorse. High carbon steel 16 gauge blades. Rugged and well balanced. 27" D-grip ash handle. Ship wt 6.5 lb.

8006 12" x 17" blade
$72.85 3+ $71.65
6+ $70.90

RAZOR-BACK® SIZE #8 STEEL SCOOP SHOVEL

A slightly larger pattern to the 8006 scoop. Same great high carbon steel 16 gauge blade, ideal for many jobs. 30" D-grip ash handle. Ship wt 6.5 lb.

53117 13-7/8" x 17" blade
$72.47

801PS
800PS

TRUE TEMPER POLY SCOOP SHOVEL

Available in 48" long handle and 30" D-grip American Ash handle options. This ABS Poly Scoop shovel is made from a high tech poly material that is both lightweight and high-strength. Molded ribs provide added blade rigidity. Ash handle. Ship wt 5 lb. **Made in the USA. 15 year warranty.**

48" Straight Handle. Blade: 17-3/4" x 14-3/4".
801PS $39.94
3+ $39.01 6+ $38.42

30" D-Grip. Blade: 17-3/4" x 14-1/4".
800PS $44.72
3+ $43.70 6+ $43.06

RAZOR-BACK® SIZE 2 SCOOP SHOVEL

The Razor-Back® Size 2 Scoop Shovel features a lightweight aluminum blade measuring 11-1/2" in width and 14-1/2" in length, with a 48" long handle made of North American hardwood. The GP06 is perfect for moving loose garden material, sand, topsoil, or debris. It also works well for scraping snow and ice off driveways or other hard surfaces. Razor-Back® designed their Size 2 Scoop Shovel with the perfect balance of weight and durability. Ship wt 3 lb. **Made in the USA. Limited Lifetime Warranty.**

GP06 $52.43
3+ $51.63
6+ $51.14

79809
79805

RAZOR-BACK® GENERAL-PURPOSE #2 STEEL SCOOP

An extremely rugged, all-purpose scoop featuring a #2 Eastern Pattern steel blade that measures 11-1/4" by 14-1/2". The smaller blade size is ideal for transferring heavy materials like gravel, sand, asphalt, cement, or concrete. Choose between a 48" hardwood straight handle or a 29" D-grip handle. Ship wt 4.8 lb. . **Limited Lifetime Warranty.**

79809 D-Grip Handle
$46.31 3+$45.58
6+ $45.12

79805 Straight
$42.73

SVF71
49631
NEW

SEYMOUR MIDWEST

SAWTOOTH SHOVELS

Seymour S600 Super Shovels are built to handle the most extreme digging conditions. The rugged, tempered steel shovel blade is more robust than the normal 14ga round point shovel. The 9" wide by 11" open back Super Shovel blade features forward turned steps and is designed with cutting teeth along the blade edge. Designed to break through rooted, rocky, compacted soil, gravel, and more. And is also great for digging in frost and icy conditions. Equipped with S600 Premium fiberglass handles that feature a 13" solid fiberglass rod core that extends through the shovel blade to handle connection for superior durability. Available in 48"" long handle option with ProGrip end. And in a 29" Poly D-grip handle option. Limited Lifetime Warranty.

49631	29" Fiberglass D-Grip Handle		
$81.95	**3+ $80.27**	**6+ $79.22**	
SVF71	48" Fiberglass Handle		
$81.95	**3+ $80.27**	**6+ $79.22**	

RADIUS ROOT SLAYER NOMAD

Radius designed their Root Slayer Nomad for both efficiency and portability. Radius equipped this tool with the same unique head design as the original Root Slayer — only this one is 30% smaller. The 9" long blade features a 7-1/2" top step. The inverted V-shape and root-cutting ripsaw teeth allow you to slice through roots easily. Equipped with a powder-coated carbon-steel shaft topped with a patented ergonomic polypropylene grip. The compact size makes this tool excel in small spaces. Use it for weeding or working in your raised bed. The Root Slayer Nomad slices through sod and small roots with ease. Backed by a lifetime warranty!

22311	**$45.88**	**3+ $45.15**
	6+ $44.69	

22611
22711

RADIUS ROOT SLAYER EDGER

This sturdy 13ga mid-carbon steel blade features root-cutting ripsaw on an extra-wide 6" x 10" top step blade. Thanks to its inverted V-blade, the Root Slayer Edger slices right through soil and roots. Choose from the patented Radius O-Handle or the extra long straight handle. If you want neatly-edged beds or a crisp edge along your sidewalk or driveway, this is the tool for you! Radius stands behind this product and covers it with a lifetime warranty! Ship wt 5 lb.

22611	O-Ring Grip handle
$63.67	**3+ $62.28**
6+ $61.41	
22711	Extra long, straight handle
$64.37	**3+ $62.92**
6+ $62.02	

SEYMOUR MIDWEST

ROUND POINT SHOVEL PERFORATED BLADE WITH FIBERGLASS HANDLE

Seymour S550 Mud & Muck™ Round Point Toolite shovels are designed for efficient digging in wet and sticky soil conditions. These shovels feature an otherwise standard #2 round point, (9-1/2" wide x 11-1/2") 14ga tempered steel shovel blade with forward turned steps. The Toolite difference is these shovel blades are heavily perforated. The holes in the shovel blade break suction when digging in wet soils. Allowing the heavy, wet soil to be more easily scooped and removed. All while straining water from the contents. Available in long handle and short D-grip handle options. The 48" long handle option features a flexibly yet durable polymer handle with a solid fiberglass rod for reinforcement at its core. The 29" D-grip handle features a professional grade fiberglass handle equipped with a durable poly D-grip. Limited 5 Year Warranty.

STL27	29" Fiberglass D-Grip Handle		
$90.40	**3+ $89.10**	**6+ $88.28**	
49540	48" Fiberglass Handle		
$69.31	**3+ $68.43**	**6+ $67.87**	

NEW

RADIUS ROOT SLAYER ROUND POINT SHOVEL XL

The blade tip features a subtle variation from the traditional round point shovel, with two points and an inverted root chopping V slot for aggressive digging. The Tempered Mid-Carbon Steel blade features serrated edges on both sides of the blade. Measuring 10" wide by 10-1/2" long, the blade features extra large turned steps for sturdy foot placement. Equipped with a 47" Fiberglass handle for an overall tool length of 56-3/4". This fiberglass handle is reinforced with a solid fiberglass core at the critical shovel blade to handle connection area. Built to withstand commercial and industrial use, Backed by a Lifetime Guarantee. Ship wt. 6.2lb.

23211	**$59.66**
3+ $58.56	
6++ $57.88	

22511
22011

RADIUS ROOT SLAYER

Root Slayer is a multi-purpose shovel that can eliminate the need for other tools while digging in heavily rooted areas. The **13" long tempered steel blade** features sharp teeth on both sides of the blade. These teeth cut on the downward motion and are ideal for sawing through roots. The double pointed, notched blade tip feeds slippery roots towards the center of the shovel to help chop or hack through them. Choose from a traditional long handled option or try the Patented ergonomic Natural Radius O-Handle Grip. Features a carbon steel shaft along the full length of the handle. Ship wt 5.5 lb.

22011	O-Handle 44.5" Longz
$66.50	**3+ $65.44**
6+ $64.78	
22511	Long Handle 57.5" Long
$66.07	**3+ $65.04**
6+ $64.40	

https://youtu.be/1GlcKjhoFmU

DURABLE, USEFUL, POLY TOOLS

LIFETIME WARRANTY

LEONARD ALL POLY 10" SCOOP SHOVEL WITH D-GRIP HANDLE

One-piece construction and hi impact poly material makes this one tough little scoop shovel. The shorter length handle is ideal for working from raised heights such as wheelbarrows, carts, trailers, truck beds. Small sizes is also advantageous due to compact storage, keeping it ready for use. All poly construction is non damaging to surfaces or equipment. Leonard orange will keep visible around work site. 10" Blade width x 14" length, 37-1/2" Overall length, 2.6 lb. Lifetime Warranty.

AP100	**$54.37**
3+ $52.63	**6+ $51.54**

AP100 - 37-1/2" Overall
10"

AP140 - 42" Overall
14"

LIFETIME WARRANTY

LEONARD ORIGINAL POLY SCOOP

Virtually unbreakable – even under the coldest conditions. This one piece poly scoop measures 42" overall, making it perfect for chewing through snowdrifts, mulch piles, or any other material you might want to move with a scoop. And the 14" wide blade is big enough to make progress, without being so big that you can't lift the load. Plus, poly means it won't scratch surfaces. 25" D-Grip handle. 42" overall. One piece molded body. Blade is 14" x 17". Ship wt 4 lb. Made in the USA. Lifetime Warranty.

AP140	**$59.03**	**3+ $57.14**	**6+ $55.96**

LIFETIME WARRANTY

LEONARD EXTRA CAPACITY, POLY SCOOP SHOVELS WITH EXTENDED D-GRIP HANDLE OR LONG HANDLE

AML's revolutionary poly scoop shovel just got better! A deeper blade shape and increase in size yields a 20% increased capacity. A longer reach reduces bending during scooping. Durable, high impact poly molded construction with the fiberglass handle core increases strength and rigidity. Blade 14" x 17-3/4". Made in the USA. Lifetime Warranty.

AP340 30" D-Grip
Ship wt 4 lb
$74.06 3+ $71.69
6+ $70.21

AP345 48" long handle
Ship wt 5 lb
$79.95 3+ $77.44
6+ $75.87

AP340 - 47-3/4" Overall
14"

AP345 - 65" Overall

LIFETIME WARRANTY

LEONARD POLY SCOOP FORK

The A.M. Leonard Scoop Fork features a poly construction that reduces tool weight, yet tackles moving loose materials at a record pace. Beveled tines pierce through debris piles, straw, compost, leaves, hay mulch and more. While the deep 'scoop shaped' tines yield a high carrying capacity. The 8-tine construction features an average 1-3/8" tine spacing, similar to our forged fork, to adequately hold materials. Overall blade dimensions: 14-1/2" x 15". The poly handle has a comfortable feel and the large 1-3/8" diameter grip is textured for slip resistance. Fiberglass handle core increases strength and rigidity. The long handle increases reach, reduces bending, muscle strain, and balanced control. Made in the USA. Lifetime warranty.

APF800 30" D-Grip 44-1/2" overall length
Ship wt 4 lb
$77.63 3+ $75.15 6+ $73.59

APF805 48" handle 63" overall length
Ship wt 5 lb
$79.59 3+ $77.04 6+ $75.45

LIFETIME WARRANTY

LEONARD 8-TINE POLY MULCHING FORK

In our never-ending effort to provide top quality tools that our professional customers are asking for, we've designed and produced a new fork for our family of poly tools, one with narrower tines for increased penetration efficiency making this fork ideal for mulching, while still being proficient at loads of other scooping and spreading tasks. This coupled with its light-weight, high visibility and durability, will no doubt prove to be another hard working addition to our growing list of professional grade tools. Our improved fork has an 8-tine construction with 1-3/4" tine spacing. The fork is 13-3/4" wide with 15" long tines. We've continued with popular features as well: One-piece handle and head construction so no chance of head/handle separation; A durable and weather resistant material, so any weathering is minimal especially as compared to wooden handle tools; Scoop shape for large capacity; Orange color that to keep the tool visible when laid down on the job site. Large sized grip to accommodate all sizes and gloved hands easily. Made in the USA. Lifetime warranty.

30" D-Grip. 44-1/2" overall length. Ship wt 3 lb.
APF810 $83.85 3+ $81.17 6+ $79.49

48" handle. 63" overall length. Ship wt 4 lb.
APF815 $89.56 3+ $86.69 6+ $84.90

FROM STEEL TO POLY, WE'VE GOT THE SCOOP YOU NEED!

HIGH STRENGTH AMERICAN HARDWOOD HANDLE
ONE-PIECE METAL THRU RIVETED D-GRIP
REINFORCED RIB DESIGN PROVIDES RIGIDITY UNDER HEAVY LOADS.
DOUBLE RIVETED BLADE TO HANDLE CONNECTION
RUST-PROOF, HEAVY GAUGE ALUMINUM, 30% LIGHTER THAN STEEL.

https://youtu.be/8_IhYzysBB0

ALUMINUM

LIFETIME WARRANTY

LEONARD HEAVY GAUGE ALUMINUM SCOOP SHOVEL

A.M. Leonard's #12 Aluminum Scoop Shovel is truly Professional Grade with its thick 10-gauge tempered blade, ribbed design, American Hardwood handle, and welded metal D-grip with through riveted connections. The blade thickness and strength edges out most aluminum scoop competitors, and is about 30% lighter in weight than steel scoops. Aluminum is naturally rust proof and a perfect choice for moving snow, fertilizers, soil, sand, mulch, feed, seed, and grain. Blade size 14-3/4" x 18-3/4". Ship wt 5 lb. **Lifetime Warranty.**

AMA12	28" D-Grip handle	**$67.66**		
AMA12L	48" Straight handle	**$58.60**	**3+ $57.20**	**6+ $56.33**

LIFETIME WARRANTY

LEONARD HEAVY DUTY STEEL SCOOP

Enjoy the durability and long life of the heavy duty steel blade on this scoop. National brand quality at an economical A.M. Leonard price. Deeply scooped, especially near the handle, to move more material in every load. 28" American Hardwood D-grip handle. 16 gauge carbon steel blade. Blade is 14-1/2" x 18". Ship wt 8 lb. **Lifetime Warranty.**

AMS10	**$69.29**	**3+ $68.35**	**6+ $67.76**

STEEL

ABS DURABLE PLASTIC

LEONARD ABS SCOOP SHOVEL

The Leonard Poly Scoop Shovel is produced from ABS, which provides strength and rigidity, while also being light in weight. The #12 size blade quickly moves large volumes of mulch, seeds, grains, fertilizers, and similar materials, while also being very useful for cleanup and snow removal. 14-1/2" wide blade in choice of American Hardwood handle with poly D-grip or long handle. APS12 47" overall, APS12L 63" overall. Wt 3.95 lb.

APS12	D-Grip Handle	**$50.66**	**3+ $49.04**	**6+ $48.03**
APS12L	Long Handle	**$49.01**	**3+ $47.44**	**6+ $46.46**

THE BEST FORKS IN THE BUSINESS

0445

0545

0645

18960

18295

RAZOR-BACK® MANURE FORKS

12-1/2″ oval pointed tines. Extra long 54″ handle for better reach. In three styles.

0445	4 tines	**$57.90**
0545	5 tines	**$59.97**
0645	6 tines	**$62.16**

RAZOR-BACK® SCOOP FORK

Ideal for mulch, ensilage and more. This tool has 10 forged tines which are 15-1/2″ long, 17″ along tine curve. 15″ wide head with 1-5/8″ tine spacing, 30″ D-grip handle. Ship wt 7 lb. **Limited Lifetime Warranty**

1427F $199.94

TRUE TEMPER 10-TINE ENSILAGE FORKS

Welded tine construction provides a lower weight and price to the forged products. Performs well for moving bulky material such as mulch, straw, hay, etc. Fork is 12″ x 10-3/4″. 48″ hardwood handle for extra reach and leverage. Tempered, pointed tines. Ship wt 4 lb. **Made in the USA. 15 year warranty.**

18960 $68.78 3+ $67.26 6+ $66.32

D-GRIP VERSION - Fork is 16″ x 15″. 30″ ash with poly D-grip handle and tempered pointed tines, spaced 1-1/2″ apart. Ship wt 6 lb. **15 year warranty.**

18295 $73.84

RAZOR-BACK® 4 TINE FORGED SPADING FORK

Sturdy and strong, this multipurpose fork can be used for turning, loosening, and digging tough soil. It can also be used to transfer loose material. The heavy duty forged head measured 8-1/2″ wide and features 4, 10″ long diamond-shaped tines. Equipped with a 30″ D-grip handle. Limited Lifetime Warranty. Ship wt 4.6 lb.

B4D $63.81

LIFETIME WARRANTY

LEONARD MANURE FORK

Best Value. Leonard's own 6 tine manure fork moves compost, mulch, straw, and more. The head is 10" x 12-1/2" and forged from a single piece of steel, making it strong enough to hold its shape for years and years. 2/3 the cost of the national brand, but every bit as durable! Ship wt 5 lb. **Lifetime warranty.**

30" American Hardwood D-Grip handle
AMF6D $63.90

54" American Hardwood handle
AMF6 $49.91

LIFETIME WARRANTY

LEONARD 10-TINE ENSILAGE FORK

The Leonard 10-Tine Fork with its 15" width x 14-1/2" size moves large volumes of mulch, compost, mower clippings, leaves, and other bulk materials. The welded 1/4" tines are heat treated for added durability. American Hardwood handle with poly D-grip. 44" overall length. Wt 5.5 lb. **Lifetime Warranty.**

AWF10 $62.63
3+ $60.67 6+ $59.45

LIFETIME WARRANTY

LEONARD 10-TINE FORGED STEEL SCOOP FORK

Top quality, one piece forged steel head provides unrivaled strength. Forged diamond tines are guaranteed to maintain their shape over the product's lifetime. Very few companies still offer a 10-tine fork that is truly a one-piece forged design with 15-1/2" long tines. This scoop fork measures 15" wide. Our 10-tine scoop fork features a deep dish design for more scoop capacity. The head-handle connection is now riveted to prevent the fork head from separating from the handle. 48" long American Hardwood handle and 30" steel D-grip options are available. **Lifetime warranty.**

30" D-Grip handle. Ship wt 7 lb.
AMF10 $139.04

48" Straight handle. Ship wt 8 lb.
AMF10L $127.36

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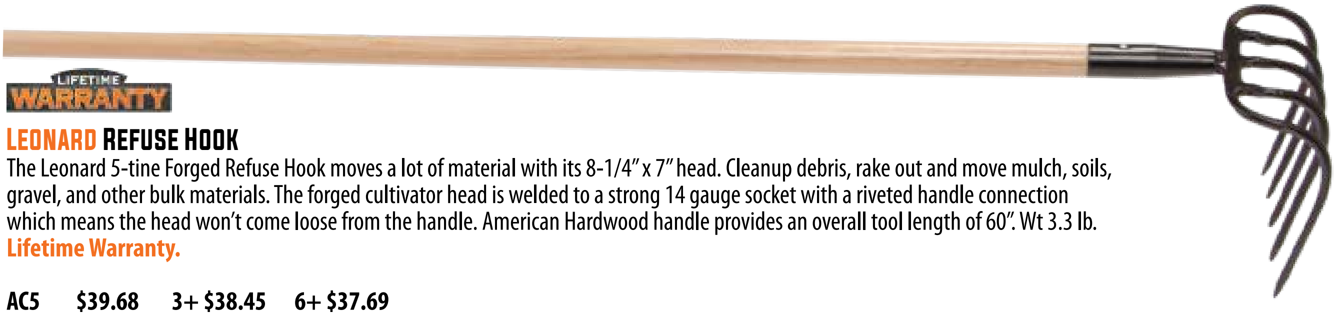


LIFETIME WARRANTY

LEONARD REFUSE HOOK

The Leonard 5-tine Forged Refuse Hook moves a lot of material with its 8-1/4" x 7" head. Cleanup debris, rake out and move mulch, soils, gravel, and other bulk materials. The forged cultivator head is welded to a strong 14 gauge socket with a riveted handle connection which means the head won't come loose from the handle. American Hardwood handle provides an overall tool length of 60". Wt 3.3 lb. **Lifetime Warranty.**

AC5 $39.68 3+ $38.45 6+ $37.69

LIFETIME WARRANTY

LEONARD CULTIVATOR

The Leonard 4-tine Cultivator is compact, light in weight, and has 4" angled tines. A perfect combination for aerating and cultivating soil. The forged cultivator head is welded to a strong 14 gauge socket with a riveted handle connection, which means the 5" wide head won't come loose from the handle. American Hardwood handle provides an overall tool length of 60". Wt 2.7 lb. **Lifetime Warranty.**

AC4 $38.48 3+ $37.25 6+ $36.48

RAKE IT IN, LEVEL IT OUT.

RAZOR-BACK® 15-TINE BOW RAKES - Razor-Back Bow Rakes are designed to take the wear and tear of continuous use. The one-piece 15 tine forged steel head measures 16-1/4" wide, each tine is 3-1/4". These bow rakes feature a steel furrule for a strong blade to handle connection. Available with a traditional 66" North American Hardwood handle, or a heavy-duty 60" Fiberglass handle with cushion end grip and mid-grip. Razor-Back bow rakes are great for loosening and breaking up compacted soil. As well as a number of general grading and raking tasks - evenly spreading material, leveling areas, collecting leaves, and more! Lifetime warranty.

B15R	66" Wood, 3.5 lb.	**$39.64**
18767	60" Fiberglass, 4.3 lb.	**$48.80**

RAZOR-BACK® LEVEL HEAD STEEL RAKES

Lightweight, curved tooth pattern; one-piece forged steel construction. 66" wood handle. Ship wt 4 lb. **Limited Lifetime Warranty.**

15"W 14 teeth
LH14R $55.25

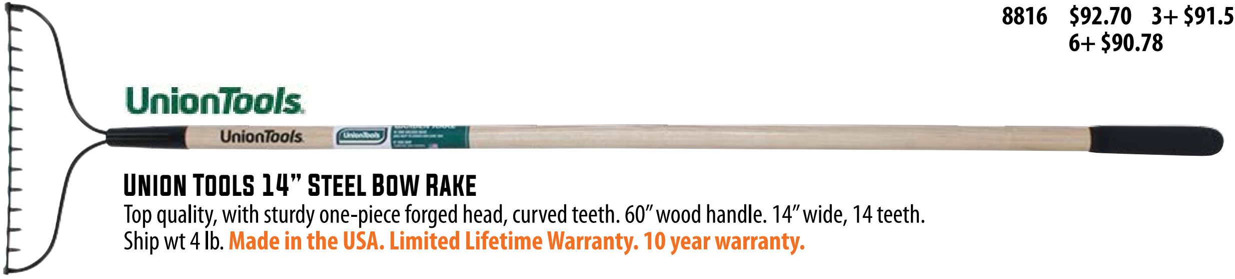
17"W 16 teeth
LH16R $68.75

RAZOR-BACK® ROAD/STONE RAKES

Extra thick, heavy duty straight teeth. For landscaping and heavy industrial jobs. 66" handle. Ship wt 5 lb. **Limited Lifetime Warranty.**

15-1/2"W. 14 teeth.
8814 $89.22 3+ $88.05
6+ $87.33

17-7/8"W. 16 teeth.
8816 $92.70 3+ $91.52
6+ $90.78



UNION TOOLS 14" STEEL BOW RAKE

Top quality, with sturdy one-piece forged head, curved teeth. 60" wood handle. 14" wide, 14 teeth. Ship wt 4 lb. **Made in the USA. Limited Lifetime Warranty. 10 year warranty.**

B14R $19.93

RAZOR-BACK® 36" ASPHALT LUTE RAKE

The Razor-Back contractor lute is designed to level and grade asphalt as well as gravel base. The 36" wide, light weight aluminum rake head features pointed, sharp teeth on one side and a level, smooth blade on the other. Equipped with a reinforcing brace and the extra long 82" handle provides the ideal angle when spreading material. Backed by a ltd. Lifetime Warranty. Ship wt. 5.8 lb. Oversized shipping charges apply, can not use free shipping promotions. **Limited lifetime warranty.**

63133 $105.86 3+ $102.70 6+ $100.72

ALUMINUM CONCRETE PLACER

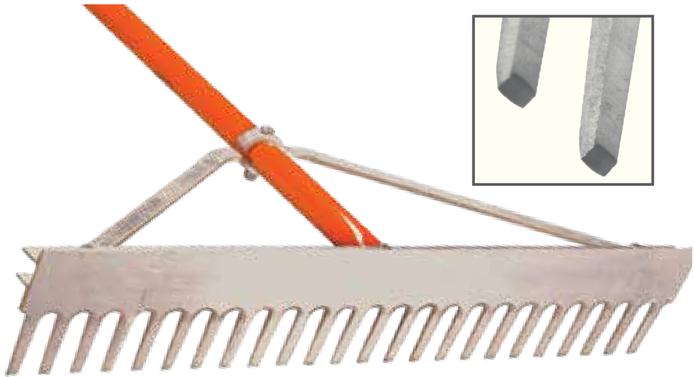
One piece welded aluminum concrete placer with powder coated handle. Versatile hardscaping and construction tool ideal for concrete and paver work. Spread concrete, place and grade gravel base with this all purpose tool. Rake head is 20" wide by 4" tall and is equipped with a 60" handle with comfort grip. Ship wt 2.7 lb.

22-217-B9 $38.54 3+ $37.31 6+ $36.54

RAKES THAT MAKE THE GRADE

LEONARD LIGHTWEIGHT ALUMINUM GRADING RAKES

The aluminum is tempered for maximum tensile strength. Combine that with additional supports that run along the full width of the rake head, and you have an extremely durable, yet light weight rake. The handle tube is equipped with a solid end plug, while the wrap-around braces distribute load evenly for extreme durability. Extra-wide widths accomplish more work with less effort. **Lifetime Warranty.**

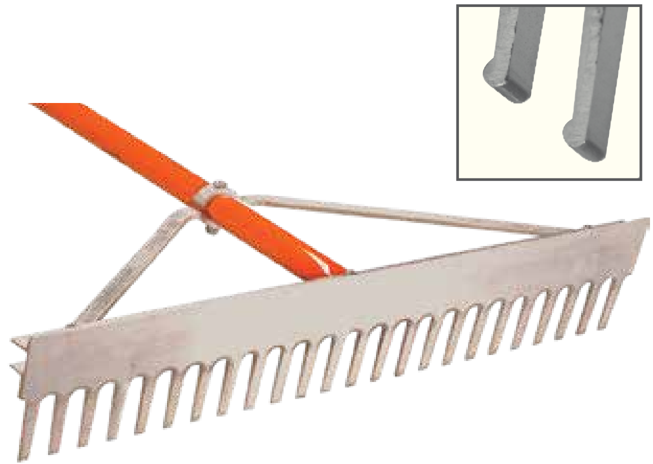


CHISELED TINE – AG SERIES

LIFETIME WARRANTY

Aggressive chiseled tines cut into tough soils during grading and pierce materials while spreading sand, gravel, and mulch material.

AG246	AG366
66″ Aluminum handle	66″ Aluminum handle
24″ wide head	36″ wide head
2-1/4″ long teeth	2-1/4″ long teeth
Ship wt 3 lb.	Ship wt 4 lb.
$64.23 3+ $62.84 6+ $61.97	**$69.57 3+ $68.18 6+ $67.31**



ROUNDED TINE – AL SERIES

LIFETIME WARRANTY

Rounded tines flow through and over materials. Provides a better tooth pattern for tasks such as finish grading, over seeding and turf cleanup.

AL246	AL366
66″ Aluminum handle	66″ Aluminum handle
24″ wide head	36″ wide head
2-1/4″ long teeth	2-1/4″ long teeth
Ship wt 3 lb.	Ship wt 4 lb.
$64.71 3+ $63.33 6+ $62.47	**$69.86 3+ $67.86 6+ $66.61**

LONG LASTING POWDER COAT FINISH.

HEAT TREATED TEETH FLEX INSTEAD OF BENDING OR BREAKING.

https://youtu.be/G71WXxg0_Q0?t=704

Start at 11:44

LEONARD TOUGH ALL STEEL RAKES

LIFETIME WARRANTY

Equipped with an extra-long 66″ steel handle that provides a better angle for spreading gravel. Since more downward force can be applied at this angle, we use a heat treated steel handle to prevent bowing and bending. We also added a steel plate to reinforce the head to handle connection. This reinforcement makes for a very stout rake that will dominate aggressive tasks like plowing through a pile of gravel or hacking at a high spot. The industry demands two rake heads in one. Our grading rakes feature both steel tines and a flat top edge. Thick 8 gauge steel tines are 3-1/2″ long – the perfect size tine for moving and spreading rocky materials. Available in 18″ or 24″ wide options. **Lifetime Warranty.**

66″ Steel handle. 18-1/2″ wide head. 3-1/2″ welded teeth. Ship wt 4 lb.
MR18 $69.38 3+ $67.16 6+ $65.77

66″ Steel handle. 24″ wide head. 3-1/2″ welded teeth. Ship wt 5 lb.
MR24 $79.60 3+ $77.05 6+ $75.46

AMES POLY LAWN RAKE – Ultralight non-rusting poly rakes in three sizes for every application. One-piece construction, no metal parts to loosen or rust. 48" wood handles (15PR has 42" handle). **Made in the USA.**

15PR	8" x 15 tine	Ship wt 1 lb.
$13.95	**3+ $13.68**	**6+ $13.50**
26PR	24" x 26 tine	Ship wt 2 lb.
$14.98	**3+ $14.58**	**6+ $14.33**
30PR	**Not Shown**	
	30" x 30 tine	Ship wt 1 lb.
$23.72	**3+ $22.99**	**6+ $22.53**

RAZOR-BACK® FOUR TINE CULTIVATOR

For seeding and cultivating with an easy drawing stroke. 4" tine length, 1-5/8" between tines. 5" head width, 52" polished handle. Ship wt 2 lb. **Limited Lifetime Warranty.**

SC4 $56.96 3+ $56.27 6+ $55.84

RAZOR-BACK® 4 TINE POTATO REFUSE HOOK

Excellent general purpose tool, with bent head pattern, 6" head width, 6" diamond point tines, 2" tine spacing. 54" handle. Ship wt 3 lb. **Limited Lifetime Warranty.**

4BHR $52.76 3+ $52.06 6+ $51.63

RAZOR-BACK® REFUSE HOOK

4 broad, oval, diamond point tines: 7" head width, 7" tine length, 2" tine spacing. 45" handles. Similar to 4BHR, with heavier tines. Ship wt 4 lb. **Limited Lifetime Warranty.**

1383H $94.78

RAZOR-BACK® STEEL LEAF RAKE

Features a 23" wide, 24-tine steel head. A single, continuous strand of steel forms each set of tines. A flexible coil spring allows for smooth and comfortable raking and is bolted to a sturdy handle for a secure hold. Ideal for clearing leaves, sticks, and debris. You can even use it to remove the thatch layer from your lawn. No matter the season, this Razor-Back,® Steel Leaf Rake is a must-have tool. Its continuous tine design ensures that the tines will not pull lose. Razor-Back,® covers this tool with a lifetime warranty!

291120 54" American Hardwood Handle
$29.29 **3+ $28.55** **6+ $28.09**

291120-12 Bulk case of 12 **$264.72**

291520 51" fiberglass handle **$33.88**

TRUE TEMPER

CLOG-FREE POLY LEAF RAKE

The raised-head design helps eliminate clogged tines! 24" poly, 11 tine head. Tines are joined with V shaped teeth. 48" ash handle. Lightweight and durable. Patented tooth design prevents clogging. Great at collecting leaves, grass clippings, twigs, needles and acorns without clogging. Ship wt 3 lb.

1906300 $36.64

PRO-QUALITY RAKES PRICED FOR A WHOLE CREW!

1/4" EXTRA THICK STEEL
THAT IS HEAT TREATED

LIFETIME WARRANTY

LEONARD AMERICAN MADE STEEL LANDSCAPE RAKE WITH AMERICAN HARDWOOD HANDLE

A.M. Leonard's domestically produced Steel Landscape Rake is specifically designed to handle the most rigourous tasks of the horticultural and landscape industries. Measuring 17" wide and with an overall tool length of 60-1/4", the USARAKE is a beefed up version of the industry standard hard rake. It features 16 tines, each tapered tine is 2-1/2" long and spaced 3/4" apart. Use it to grade, level, and smooth surfaces, backfill, cultivate and break up soil. Use it to move, push, gather, screen, separate out material and much, much more! The rake head is made of 1/4" extra thick steel that is heat treated to our specifications to offer extreme durability. A 10 gauge structural steel tube is welded to the tine section for a virtually "Bomb Proof" handle connection. Equipped with a 60" American hardwood handle, measuring 1-1/4"" diameter at the connection for strength. The handle is contoured for user comfort. A.M. Leonard press fits, and rivets the handle and rake head together in house to offer quality and consistency you can count on. Ship wt 4 lb. **Lifetime Warranty. Made in the USA!**

USARAKE **$59.99**

LIFETIME WARRANTY

LEONARD FORGED BOW RAKE

Tired of rake heads pulling out of the socket? Try this one; the head is WELDED into the socket, adding stiffness and durability, and eliminating breaks. In addition, the 14 gauge welded socket is held together by a heavy duty, 1/4" steel rivet. 16 forged steel bow rake teeth are curved to help you move more of what you are raking. 16" wide head. Ship wt 5 lb. **Lifetime Warranty.**

Item	Handle	Price	3+	6+
R16	62" American Hardwood	**$52.94**	**$51.59**	**$50.74**
CR16	62" Tuff-Flex™ Composite	**$58.51**	**$57.00**	**$56.05**
FR16	62" Tough-Strong™ Fiberglass	**$66.95**	**$65.99**	**$65.39**

Note: TuffFlex™ handles are slightly heavier, but more durable.

LIFETIME WARRANTY

LEONARD FORGED STRAIGHT RAKE

Forged straight head rake welded directly to the socket for rigidity & durability. 16-1/2" wide forged steel head is sturdy and incredibly durable. The 62" handle is riveted to the head at the 14 gauge welded socket. The 16 teeth are 2-3/4" long, each. Ship wt 5 lb. **Lifetime Warranty.**

Item	Handle	Price	3+	6+
S16	62" American Hardwood	**$49.85**	**$48.72**	**$48.01**
CS16	62" Tuff-Flex™ Composite	**$63.66**	**$61.75**	**$60.56**
FS16	62" Tuff-Strong™ Fiberglass	**$71.76**	**$70.39**	**$69.53**

Note: TuffFlex™ handles are slightly heavier, but more durable.

LIFETIME WARRANTY

LEONARD 8 TINE NARROW STRAIGHT RAKE

Leonard 8 Tine Straight Rakes will handle the same tasks as standard straight rake, its narrow profile is user friendly and offers more versatility. Made of 1/4" thick steel, our heavy-duty Narrow Straight Rake is designed to hold up to the toughest landscaping and hardscaping tasks. Weighing almost half as much as a standard 16 tine straight rake, it is extremely light weight and efficient to use. It takes much less energy to grade gravel, sand, and heavy soils with a narrow rake versus a traditional 16" wide rake. Featuring a tough, 60" American Hardwood handle with an ergonomic and light weight profile. The 8-1/8" wide rake head makes it ideal for working around a tight radius to backfill around the root ball of a newly planted tree, or grade along a curved walkway. Great for working around plants, and trees with a low canopy. The 3" long tines help break up clumps of tough soil, perfect for grading or screening out material. With a 7/8" spacing these tines also have rounded tips that glide through delicate turf areas. Ship wt 2.5 lb. **Made in the USA. Lifetime Warranty.**

ASR800 **$39.88**

LIFETIME WARRANTY

LEONARD POLY LAWN RAKES WITH COMPOSITE HANDLE

Lighter weight than steel rakes, you can rake faster with these 24 and 30-tine poly rakes. Multiple ribs add reinforcement to the head at the handle connection. Inverted T-ribs add strength and shape-holding ability to the rugged tines. 1″ diameter, 54″ TuffFlex™ composite handle provides good reach and durability while the stand-out orange color means your rakes won't get lost on the job site. Ship wt 2 lb. **Lifetime Warranty.**

PPR24	24″ head	**$35.61**	**3+ $34.64**	**6+ $34.03**
PPR30	30″ head	**$38.28**	**3+ $37.20**	**6+ $36.53**

T-Tines: Designed to add additional stiffness and help maintain shape and strength of tines.

Back: Multi-ribbed back design provides strength without adding extra weight, making raking easier.

LIFETIME WARRANTY

LEONARD POLY LAWN RAKES WITH WOOD HANDLE

Cover a lot of ground with these wide but lightweight 24 and 30 tine poly rakes. Multiple ribs add reinforcement to the head at the handle connection. Inverted T-ribs add strength and shape-holding ability to the rugged tines. 54″ handle provides good reach while the stand-out orange color means your rakes won't get lost on the job site. Ship wt 2 lb. **Lifetime Warranty.**

PR24U	**PR30U**
54″ long, 1″ dia wood handle	54″ long, 1″ dia wood handle
24″ wide, 24 tine head	30″ wide, 30 tine head
$23.06 3+ $22.32 6+ $21.86	**$24.82 3+ $24.03 6+ $23.53**

LIFETIME WARRANTY

LEONARD POLY-STEEL RAKE

An AML Quality Tool! Lightweight & flexible poly-steel rake. 25 steel tines with poly brace and a long 54″ hardwood handle. 22-1/2″W. 54″ long, 15/16″ dia wood handle with 22-1/2″ wide, 25 tine head. Ship wt 1 lb. **Lifetime Warranty.**

PSR24	**$24.74**	**3+ $23.95**	**6+ $23.45**

LIFETIME WARRANTY

LEONARD 20 TINE POLY RAKE

Moderate sized poly rake is suited for small yard spaces or targeted applications such as hedge or plant trimming cleanup and landscape bed clean out. The compact size also provides a low tool weight for ease of handling. High impact poly construction resists cracking, even in cold weather, and the partially ribbed tine construction maintains tine shape. 15/16″ diameter coated hardwood handle. 54″ handle length. 18″ wide, 20 tine head. Ship wt 1.5 lb. **Lifetime Warranty.**

PRC18	**$22.60**	**3+ $21.88**	**6+ $21.42**

CORONA

NEW CORONA TOOLS 24" SPRING RAKE WITH HARDWOOD HANDLE

Corona Tools Spring Rake features a durable steel rake head and hardwood handle. An industry standard combination that is a must have for landscape clean up and beautification projects. The 24" wide fan shaped rake head combines 24 durable yet flexible steel tines. Manufactured with a stress distribution bar placed horizontally across the tines. This prevents the tool head from twisting and allows pressure to be applied when raking. Powder coated rake heads resist rust. Equipped with a 54" hardwood handle for an overall tool length of 69". **Sold in a bulk case of 12 rakes** for best price per rake! **MOTOR FREIGHT SHIPPING.**

RK24003-12 **$239.47**

SEYMOUR MIDWEST

NEW SEYMOUR S500 INDUSTRIAL SPRING BRACE RAKES

Seymour's S500 Industrial™ Spring Brace Leaf Rakes are ideal for working in tight spaces. They are especially useful for clearing out leaves and other debris from landscape beds and planted areas. Makes quick work of medium-sized lawns and landscapes. These spring rakes are incredibly durable with your choice of wood or aluminum handles. The double-bolted handle connection ensures the head and 54" handle will stay connected. The industrial-grade oversized spring is replaceable, so there is no need to replace the entire rake should the spring break. Seymour Midwest backs this quality tool with a limited lifetime warranty! Aluminum Handle.

40936	18" Wide Head	**$38.52**
40924	24" Wide Head	**$39.51**

SEYMOUR MIDWEST

SEYMOUR S500 INDUSTRIAL 18" SPRING BRACE RAKES

Excellent for clearing out leaves and debris in landscape beds and planted areas! Seymour Midwest outfits this S500 Industrial™; Spring Brace Rake with an 18-inch wide steel head. This head features inverted V-shaped tine ends. They attach this head to a 54-inch long wooden handle using a double-bolt connection. They brace this rake using an industrial-grade oversized spring. S500 Industrial™; Spring Brace Leaf Rakes are ideal for working in tight spaces. They are especially useful for clearing out leaves and other debris from landscape beds and planted areas. The 18-inch wide head makes quick work of medium-sized lawns and landscapes. Wood Handle.

40932 **$36.40**

SEYMOUR MIDWEST

NEW SEYMOUR S400 JOBSITE™ PRO-FLEX 24" RAKE

The Seymour Pro-Flex Rake combines the flexibility of poly and the durability of steel for a effective and light weight leaf rake. This 24" wide leaf rake covers ground fast and contains 31, zinc plated steel tines. Equipped with a 48" hardwood handle. Limited 5 Year Warranty. Ship wt. 1.6lb.

43324 **$36.91**

CORONA

NEW CORONA 24" POLY LEAF RAKE

Features a 24" polypropylene head. This extra-thick head has 26, closely spaced tines which is attached to a 48", double-varnished hardwood handle. The Corona Poly Leaf Rake is ideal for multi-season use and is great for gathering leaves and general cleanup. The closely spaced tines gather large amounts of leaves and debris in a single pass. These features make clearing medium to large areas fast and easy. Extra-thick poly head contains a UV-inhibitor which, maximizes weather resistance. You can count on this rake season after season!

RK25024 **$19.25** **3+ $18.63**
6+ $18.25

SUNCAST® TELESCOPING LEAF RAKE

Suncast® 24" Poly Leaf Rake features a commercial grade telescoping handle that saves space in work vehicles, trailers, and shops. The Steel Core® handle telescopes up to a 66". With a simple twist the handle collapses down to a 48-1/4" tool length. Equipped with heavy duty snap buttons for tool-less assembly and disassembly. Complete with a durable resin handle cap that adds grip and allows for hanging. Ribbing throughout the rake head and tines add strength. Designed to reduce clogging, the tool head is allowed to flex under pressure. The 25 well-spaced, curved tines gather large amounts of leaves, sticks, brush, and more. Backed by a 5 Year Limited Warranty. **Made in the USA!**

LRT240D **$24.55** **3+ $24.18** **6+ $23.95**

SHOP FLOOR MAINTENANCE TOOLS

LEONARD 100% CORN BROOMS

Natural corn fiber brooms in two options to suit your needs. Feature 2" x 12" sweeping faces and wire handle hanging loop.

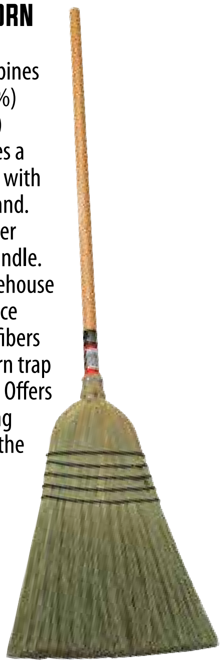
22CB – Light Weight with good sweeping action of light debris in a low weight design for ease of use. 5 rows of stitching, 15/16" diameter x 42" painted handle, Ship wt. 1.8 lb
$21.19 3+ $20.51 6+ $20.09

36CB – Heavy Duty increased fill sweeps heavier debris. 4 rows of stitching plus wire band for added strength, 1-1/8" diameter x 42" painted handle, 2.7 lb
$29.72 3+ $28.92 6+ $28.42

DELUXE UPRIGHT CORN BROOM

This broom's head combines natural broomcorn (85%) and natural sotol (15%) fibers. This head features a quadruple sewn design with a wire reinforcement band. 42" long, 1-1/8" diameter varnished hardwood handle. An ideal broom for warehouse and general maintenance sweeping. The hairlike fibers of the natural broomcorn trap and hold dust particles. Offers a generous 14" sweeping surface, so you can get the job done faster.

103AC
$26.26 3+ $25.42
6+ $24.89



LIBMAN 15" OUTDOOR ANGLE BROOM

Libman's rough surface 15" angle broom is excellent for all outdoor surfaces. Great for sweeping up any type of dry, wet, and sticky debris. The 5" long staple set bristles are firm yet flexible, and extremely long lasting. This outdoor angle broom features a solid, one-piece resin block and 1" diameter steel handle. Overall broom length is 53". Ship wt 1.79 lb. **Made in the USA.**

1102
$19.59 3+ $19.18
6+ $18.93

SUPER SCOOPER GIANT DUSTPAN

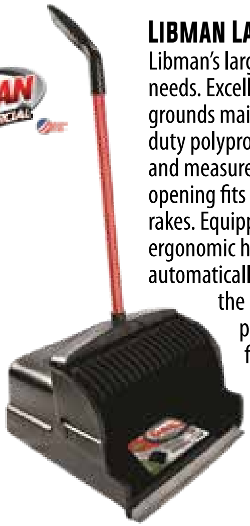
Rugged aluminum dustpan for the biggest cleanups! A generous 11" x 16", for use with a lawn rake or push broom. Lies flat for fast, easy pickup. Riveted handle for extra strength, durability. Ship wt 2 lb. **Made in the USA.**

DP1 $21.62 3+ $21.26 6+ $21.04

LIBMAN QUICK CONNECT 24" PUSH BROOM

Libman's rough surface 24" clamp style push broom is the perfect push broom to keep on your truck. It features a durable clamp style handle connection for quick tool-less assembly. This makes it quick and easy to take apart too. Being able to store the broom head and handle separate takes up much less room on your truck. This rough surface push broom is ideal for use outdoors. Great for sweeping up any type of dry, wet, and sticky debris. The 4" long staple set bristles are firm yet flexible, and extremely long lasting. 60" steel handle is 1" in diameter. This broom is **Made in the USA.** Ship wt 3.35 lb.

8790 $34.09 3+ $33.57 6+ $33.25

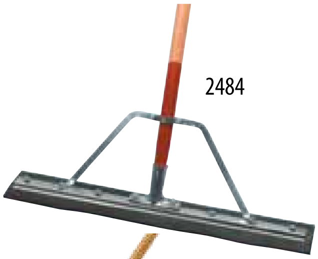


LIBMAN LARGE SCOOP DUST PAN WITH HANDLE

Libman's large scoop dust pan is great for all clean up needs. Excellent for parking lots, construction sites, and all grounds maintenance applications. Made in a thick, heavy duty polypropylene mold. The large pan holds up to 30 lb and measures 16" wide, 14" deep, and is 6.5" tall. 16" wide opening fits all angle brooms and some smaller sized leaf rakes. Equipped with a 23" steel handle, 1" in diameter. The ergonomic handle grip is angled for easy carrying. The pan automatically tilts backwards while carrying to hold debris in the upright position. Or you can lock it into the open position. This pan also has a rubber lip for better floor seal and integrated teeth along the top of the pan that clean out broom bristles. Ship wt 3.5 lb. **Made in the USA.**

1168 $32.82 3+ $32.30
6+ $31.98

2474


2484

2476

HARPER BRUSH PRO-GRADE SQUEEGEES

Tough enough for virtually any application. Soft rubber blades flex to conform to any surface leaving them clean and dry with just one pass. 60" hardwood handle with sturdy iron connector brace. Two styles. Ship wt 4 lb.

CURVED SQUEEGEE

Good for trapping water and directing it into a drain.

2474	24" head width	**$55.39**		
2476	36" head width	**$69.67**	**3+ $68.85**	**6+ $68.33**

DOUBLE-EDGE SQUEEGEE

Twice the life of ordinary single-edge squeegees.

2484 24" head width **$49.52**

CHOOSE BY HANDLE AND TINE COUNT

LEONARD METAL SPRING RAKES

The steel tines in our rakes are made from a continuous strand of metal, one side to the other and are reinforced by a spring steel brace. Strong, durable, two square-bolt assembly won't come loose. Ship wt 3 lb. **Lifetime Warranty.**

WOODEN HANDLE RAKES

Wooden Handle: – Our 1" diameter American Hardwood handles offer 10% more handle mass than the standard rake handle. Plus, you'll notice it provides a more comfortable grip.

MSR-208
54″ hardwood handle. 7-1/4″ to 7-1/2″ wide, 10 tines. Ship wt 2 lb.

$18.52 3+ $17.93 6+ $17.56

18 TINE

MSR-218U
54″ American Hardwood Handle. Width may vary 16-1/4″ to 16-1/2″. 18 tine.

$28.76 3+ $27.84 6+ $27.26

24 TINE

MSR-224U
54″ American Hardwood Handle. Width may vary 23-1/4″ to 23-1/2″. 24 tine.

$29.98 3+ $29.02 6+ $28.42

TUFF-FLEX™ HANDLE RAKES

TuffFlex™ Composite Handle
Molded poly composite – The most durable handle option, if you don't mind a little added weight.

18 TINE

MSRC-218
54″ Tuff-Flex™ Composite Handle. Width may vary 16-1/4″ to 16-1/2″. 18 tine.

$37.50 3+ $36.80 6+ $36.36

24 TINE

MSRC-224
54″ Tuff-Flex™ Composite Handle. Width may vary 23-1/4″ to 23-1/2″. 24 tine.

$39.95 3+ $39.11 6+ $38.59

FIBERGLASS HANDLE RAKES

Tuff-Strong™ Fiberglass Handle:
Fiberglass with a resin veil to prevent splintering. This choice provides the highest strength with the least amount of weight. Plus a built-in hook opening for easy hanging!

18 TINE

MSRF-218
54″ Tuff-Strong™ Handle. Width may vary 16-1/4″ to 16-1/2″. 18 tine.

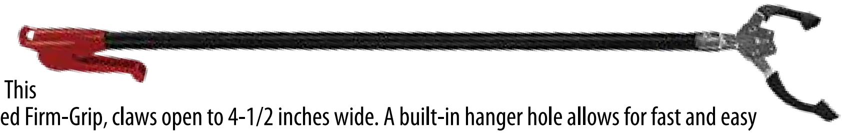
$30.74 3+ $29.76 6+ $29.14

24 TINE

MSRF-224
54″ Tuff-Strong™ Handle. Width may vary 23-1/4″ to 23-1/2″. 24 tine.

$31.87 3+ $30.85 6+ $30.21

HANDY PICKER UPPERS



MAXIPLUS NAB N GRAB CLEANUP TOOL

Ergonomic design maximizes comfort! The MaxiPlus,® Nab 'N Grab, Cleanup Tool features a unique, ergonomic handgrip. This 36-inch long tool provides extra reach in all direction. Oversized Firm-Grip, claws open to 4-1/2 inches wide. A built-in hanger hole allows for fast and easy storage. This cleanup tool acts as a perfect extension of your arm. The Firm-Grip, claws securely grasp even the smallest options. Use this tool to pick up bottles, cans, and other debris. Bending over can be a pain. The Nab 'N Grab, allows you to clean from a standing position. Its ergonomic handgrip maximizes hand comfort during use.

96580 $24.90 3+ $24.35 6+ $24.00

THE ORIGINAL E-Z REACHER®

Pick up objects as small as a dime, or as heavy as a 5 lb. brick. 32″ length. Ship wt .5 lb.

32EZ $21.80 3+ $21.13 6+ $20.71

E-Z REACHER PRO®

Newer ergonomic handle design reduces hand and finger stress. Locking feature allows jaws to lock on an object for retrieval. Ship wt 1 lb.

32PRO	32″ length	**$22.95**	**3+ $22.38**	**6+ $22.02**
40PRO	40″ length	**$25.17**	**3+ $24.55**	**6+ $24.17**

TRASH GATOR™ -

Durable pickup tool with heavy gauge aluminum arm and high impact plastic handle. Precise enough to use on small litter and strong enough for use on larger debris up to 5″ across.

33″ length, Ship wt 1 lb
GT33 $27.94 3+ $27.25 6+ $26.82

40″ length, Ship wt 2 lb
GT40 $29.59 3+ $28.91 6+ $28.48

PIKSTIK® CLASSIC

Back by popular customer demand, the original is back! Now in the same lightweight, durable, smooth trigger, and polycarbonate jaw design with a little more reach. 36″ overall length. Ship wt .5 lb.

361PS $23.39 3+ $23.09 6+ $22.91

CLEAN UP BAG

Strong, vinyl coated nylon bag with 18″ wire-reinforced rim is popular for litter cleanup by road and grounds maintenance crews. Also handy for deposit of sheared or pruned plant material. Stitched-in base handle for easy emptying. Adjustable shoulder strap. Bright yellow for increased visibility along roadways. Ship wt 2 lb.

18LB $34.26 3+ $33.54 6+ $33.10

GROUNDSKEEPER

GROUNDSKEEPERS™ -

Clean up trash and debris while you mow! Handy mesh rider bags stay open for easy access and for extra capacity. Strong nylon top straps wrap around the handle and secure to seat back with quick-release polycarbonate buckles. Black. Ship wt .5 lb. **Made in the USA.**

MBE 16″ x 14″
$20.46 3+ $20.09 6+ $19.87

MBR 16″ x 12″
$29.76 3+ $29.20 6+ $28.85

https://youtu.be/V6l7N7SvrTE

NUT WIZARD

Roll over the fruits and nuts lying on the ground and the spring wire head traps them inside. To empty, spread the wire and the captured items fall right out. Now includes wire dumper to make emptying even easier. Also works on: golf balls, tennis balls; all sorts of nuts; apples, oranges and lemons; and so much more! 48″ wood handle. Ship wt 4 lb. **Made in the USA.**

NW12 3/4″ to 4″ materials
$74.54 3+ $72.28 6+ $70.87
Best for pecans, hickory nuts, crab apples, golf balls and other smaller materials.

NWW 1-1/4″ to 4″ materials
$79.95 3+ $77.81 6+ $76.47
Best for black walnuts, sweet gum balls, oranges, lemon and other citrus fruits.

MADE FOR ALL YOUR CLEANUP NEEDS!

NEW

LAWN BAGG™ 6 GALLON MOWER BAG

Another convenient cleanup solution by Lawn Bagg™. This durable 0.75 cubic foot Mower Bag rides along to collect any trash and debris found while mowing. Measures 12" in diameter and 12" deep yet folds flat for easy storage. Heavy duty stitched straps offer creative attachment options. Simply hang on ground maintenance equipment for easy access. Perfect for landscape cleanup, garden weeding, and harvesting tasks. Ship wt 0.4 lb.

MOWER-BAGG
$14.42 3+ $14.13 6+ $13.95

LEONARD CLEANUP CADDY

LIFETIME WARRANTY

Designed to eliminate bending over during clean up. The Leonard Cleanup Caddy has a lightweight aluminum construction that resists weather, rust, and corrosion. Our 36" long tongs are made in a simple and effective design that features zero moving parts. Offering a 3-1/2" wide jaw opening. This dependable tool is precise enough to pick up a penny yet strong enough to pick up a brick! Metal guides between the arms prevent them from crossing over, keeping each grab consistent. We equipped this tool with cushion grip handles to maximize comfort. Use it to collect cans, bottles, paper, or other refuse. Metal construction makes our tongs ideal for handling any hot objects, perfect for use around a fire. Easier and faster than a spear. Just close it with a light squeeze and it springs back to its original position when you relax your grip. **Lifetime Warranty!** Ship wt. 0.6 lb.

https://youtu.be/IMz4EZ75GVk

36LC $31.02 3+ $30.03 6+ $29.41

LIFETIME WARRANTY

LEONARD HEAVY DUTY PUSH BROOM WITH PLASTIC FIBERS

Professional quality push brooms, built to last with a high quality, long wearing poly fiber that's resistant to mildew, acids, petro-chemicals, and solvents. Heavy duty hardwood block is 3" wide and 1-1/16" thick providing high strength and durability. The highly concentrated 4" bristles clear a wide swath and are effective for heavy debris, gravel, wet grass, and more. Available with a 1" diameter heavy-duty steel handle, or a 1-1/8" American Hardwood handle that has a stout metal bolt-style connector. The head is extremely stable and secure with bolted design plus the included bolt on metal, powder coated side braces. Wooden block and handle are lacquer coated for extended life. Works great in both wet and dry conditions. **Broom heads made in the USA. Lifetime warranty.**

Item	Width	Handle	Ship wt	Price	3+	6+
1318	18"	Hardwood	4.3 lb	**$54.49**	**$53.55**	**$52.97**
1324	24"	Hardwood	4.9 lb	**$59.69**	**$58.92**	**$58.43**
2318	18"	Steel	5 lb	**$52.81**	**$51.94**	**$51.40**
2324	24"	Steel	5.6 lb	**$59.63**	**$58.79**	**$58.27**

https://youtu.be/G71WXxg0_Q0?t=1973

Start at 32:53

LEONARD DUAL BRISTLE STIFF/FINE PUSH BROOM

LIFETIME WARRANTY

Leonard dual bristle push brooms combines a medium-stiff center bristle with a fine border bristle to tackle a variety of cleanup tasks on rough to semi-smooth texture surfaces. Sweeps debris, gravel, dirt, leaves, paver sand, and more. Clear coated hardwood block features slotted, bolt through connection. Equipped with a 60" handle of your choice. Now available with a 1" diameter heavy-duty steel handle, or a 1-1/8" American Hardwood handle. Complete with powder coated steel braces. 3-1/8" length synthetic chemical resistant bristles. Works great in both wet and dry conditions. **Lifetime warranty.**

Item	Width	Handle	Ship wt	Price	3+	6+
1624	24"	Hardwood	4.3 lb	**$49.67**	**$49.02**	**$48.62**
1630	30"	Hardwood	4.9 lb	**$57.40**	–	–
2624	24"	Steel	5 lb	**$55.78**	**$54.58**	**$53.82**
2630	30"	Steel	5.6 lb	**$59.71**	–	–

LEONARD FINE BRISTLE PUSH BROOM

LIFETIME WARRANTY

Leonard fine bristle push brooms are designed to sweep dust, dirt, and debris on smooth surfaces of interior spaces such as shop, garage, or construction sites. The bristle tips are split, creating a softer, feathered end which picks up and minimizes dust. Clear coated hardwood block features slotted, bolt through connection. Equipped with a 60" handle of your choice of Steel or American Hardwood. Now available with a 1" diameter heavy-duty steel handle, or a 1-1/8" hardwood handle. Complete with powder coated steel braces. 3-1/8" length synthetic chemical resistant bristles. Works best in dry conditions. **Lifetime Warranty.**

Item	Width	Handle	Ship wt	Price	3+	6+
1824	24"	Hardwood	4.3 lb	**$49.72**	**$49.08**	**$48.67**
1830	30"	Hardwood	4.9 lb	**$56.22**	–	–
2824	24"	Steel	5.2 lb	**$55.82**	**$54.62**	**$53.87**
2830	30"	Steel	5.8 lb	**$60.85**	**$59.98**	**$59.44**

246NT

146NT

LEONARD NURSERY TROWELS

Powder coated heavy gauge steel trowel is tough as nails, making it the number one choice for pros like you. The 3-5/8″ x 6″ blade and hardwood handle can tackle the most demanding jobs. Choose from the standard 14″ or our new 26″ extended handle model. New design provides plenty of handle length for two hands and multiple grip positions, plus the offset blade shank and extra handle length provides additional leverage when digging. **Lifetime Warranty**. Ship wt 1 lb.

146NT	14″	**$23.54**	**3+ $22.79**	**6+ $22.32**
246NT	26″	**$29.49**	**3+ $28.55**	**6+ $27.96**

AT10

AT20

AT30

AT40

AT50

LEONARD BLISTER FIGHTING GARDEN TOOLS

We've taken our solid cast aluminum tools and kicked them up a notch. The polished cast aluminum body is over molded with non-slip rubberized grips with gel side inserts. Thick shanks make these tools strong enough to tackle any job. 13″ overall length. Ship wt .5 lb. **Lifetime Warranty.**

Item	Description	Price	3+	6+
AT10	Trowel	**$14.80**	**$14.33**	**$14.03**
AT20	Transplanter	**$15.52**	**$15.02**	**$14.71**
AT30	Cultivator	**$13.09**	**$12.67**	**$12.41**
AT40	Weeder	**$14.80**	**$14.33**	**$14.03**
AT50	Fork	**$12.61**	**$12.21**	**$11.95**

SET OF 5 LEONARD GARDEN TOOLS

Three great tools for one low price! Ship wt. 3 lb

ATS1 **$61.48** **3+ $59.51** **6+ $58.28**

SAVE WHEN YOU BUY ALL 5!

GARDEN WEASEL

THE FAMOUS GARDEN WEASEL - For more than 30 years, the Garden Weasel has made gardens look great. Now, we've taken all your comments and combined them with our expertise to create the ultimate Garden Weasel. This improved version is more solid than ever, from head to tines, plus it comes with a Lifetime Warranty. Simply apply the Garden Weasel to the soil and cultivate with a back-and-forth motion. For easier cultivating, slightly wet the soil. Garden Weasel works at a constant 1 ½″ depth. Helps the lawn breathe, absorb water & hold grass seed. Ship wt 3 lb.

GWEA **$42.52** **3+ $41.82** **6+ $41.39**

86403
86103
86203

GROUNDBREAKER MINI-PLANTER

Ideal for working in confined areas, shallow planting, clearing ground cover, digging and cultivating. 16″ hickory handle with comfort grip. Ship wt 3 lb.

86403 **$29.15** **3+ $28.25** **6+ $27.68**

GROUNDBREAKER MINI-PICK

For breaking up hardened surface soil in dry weather, removing weeds, ground cover, or shaping the ground for detailed landscaping. 16″ hickory handle with comfort grip. Ship wt 3 lb.

86103 **$26.55** **3+ $25.75** **6+ $25.24**

GROUNDBREAKER MINI-TILLER

For cultivating beds, chopping roots, or working in rows. Genuine 16″ hickory handle with comfort grip, patented head design. Ship wt 2 lb.

86203 **$26.38** **3+ $25.62** **6+ $25.14**

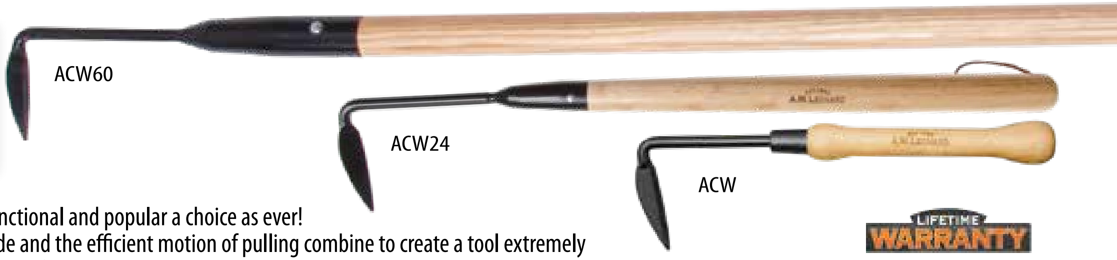
SAVE WHEN YOU BUY ALL 3!

SET OF 3 GROUNDBREAKER MINI-TOOLS

Three great tools for one low price!

86423 **$73.23** **3+ $71.47** **6+ $70.37**

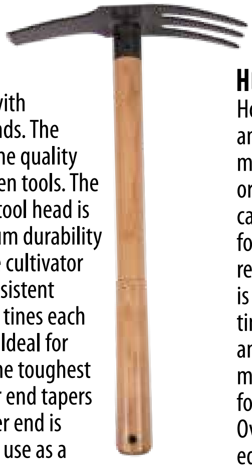
https://youtu.be/jwQJvhs8aOc



LEONARD CAPE COD WEEDER

This decades old design is still as functional and popular a choice as ever!
The proper angle of the cutting blade and the efficient motion of pulling combine to create a tool extremely effective at cutting weeds below the surface. For deeply rooted weeds, the tip can be angled downward, cutting deeper into the soil to capture the majority of the root system. The Cape Cod Weeder is also a great companion for planting smaller annuals too. It can be used to dig and cultivate the soil, for quick planting from cell packs. The narrow tip comes in handy when weeding between stone and paved pathways, an area where many other weeding tools are useless. The forged steel construction includes additional heat treatment of the cutting blade to keep a good edge, even in tough soil conditions. Comfortable contoured hardwood handle is finished for weather resistance. 2-3/4” cutting edge. **Lifetime Warranty.** Ship wt .5 to 1.5 lb.

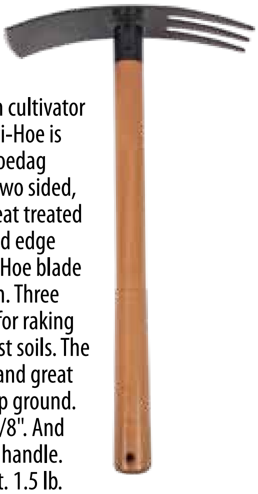
ACW	13” handle	**$19.54**	**3+ $18.91**	**6+ $18.52**
ACW24	24” handle	**$25.56**	**3+ $24.74**	**6+ $24.23**
ACW60	60” handle	**$46.74**	**3+ $45.24**	**6+ $44.31**



HOEDAG CULTI-DAG

Hoedag now available with cultivator and dagger ends. The Culti-Dag is made of same quality as Hoedag original garden tools. The two sided, carbon steel tool head is heat treated for maximum durability and edge retention. The cultivator end of the blade is a consistent 2-1/2" width with three tines each measuring 3" in length. Ideal for raking and cultivating the toughest soils. The narrow dagger end tapers to a 1" width. The dagger end is sharpened and great for use as a pick to break up ground. And also works great for furrowing and planting. Overall blade length of 8-3/8". And equipped with a 15" wood handle. **Made in the USA!** Ship wt. 1.5 lb.

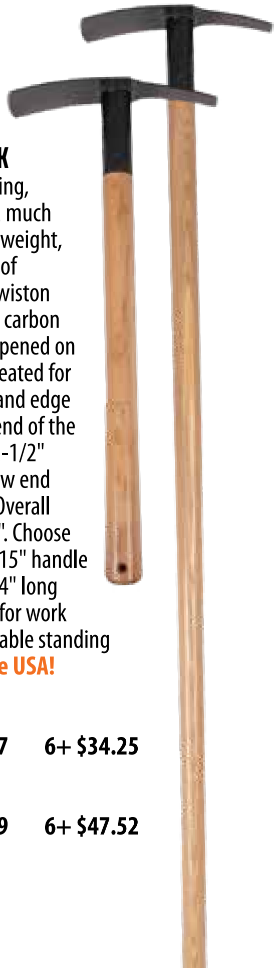
TN3	**$34.67**	**3+ $33.78**	**6+ $33.22**



HOEDAG CULTI-HOE

Hoedag now available with cultivator and mattock ends. The Culti-Hoe is made of same quality as Hoedag original garden tools. The two sided, carbon steel tool head is heat treated for maximum durability and edge retention. The entire Culti-Hoe blade is a consistent 2-1/2" width. Three tine cultivator end is ideal for raking and cultivating the toughest soils. The mattock end is sharpened and great for digging and breaking up ground. Overall blade length of 8-3/8". And equipped with a 15" wood handle. **Made in the USA!** Ship wt. 1.5 lb.

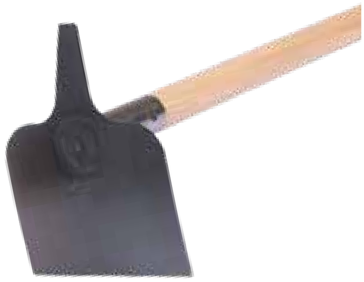
TN4	**$34.67**	**3+ $33.78**	**6+ $33.22**



HOEDAG ORIGINAL PLANTER MATTOCK

Great for planting, tilling, weeding, digging and much more. Sharp and lightweight, each Hoedag is made of excelent quality in Lewiston Idaho. The two sided, carbon steel tool head is sharpened on both ends and heat treated for maximum durability and edge retention. The broad end of the blade is a consistent 2-1/2" width while the narrow end tapers to a 1" width. Overall blade length of 8-3/8". Choose between the original 15" handle or 54" long handle. 54" long handle option allows for work to be done in comfortable standing position. **Made in the USA!**

TN1	15”		
$36.13	**3+ $34.97**	**6+ $34.25**	
TN54	54”		
$49.78	**3+ $48.39**	**6+ $47.52**	



HOEDAG HOE WITH 54” ASH HANDLE

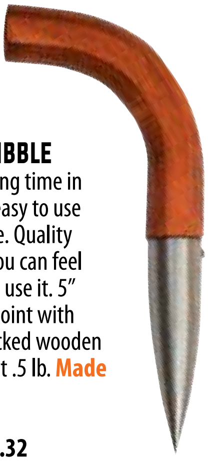
This awesome multi-tool is built to the same high quality standard as the original Hoedag. The tool head is made of a high quality carbon steel, and is clear coated to prevent rust. It features a machine sharpened 6” wide blade on one side. And a tapered 3” tall by 3/4” wide machine sharpened tip on the other. Light weight and strong, this tool ideal for breaking up all types of tough soil. The 3/4” tip can be used for weeding in tight spots and works great for furrowing. Features a high quality 54” American Ash handle. Ship wt. 2.6 lb. **Made in the USA!**

TN2
$49.76 **3+ $48.37** **6+ $47.50**

LEONARD NO BLIST’R TROWEL

Ergonomic design preferred by gardeners for over 50 years! Uniquely curved, cushion-grip handle. Big 5-1/2” x 3” blade. One piece die cast aluminum handle and blade. Ship wt .5 lb. **Made in the USA. Lifetime Warranty.**

NBT	**$15.93**	**3+ $15.52**	**6+ $15.26**



PLANTING DIBBLE

Cut your planting time in half with this easy to use planting dibble. Quality construction you can feel every time you use it. 5” polished iron point with smooth shellacked wooden handle. Ship wt .5 lb. **Made in the USA!**

218D **$55.32**

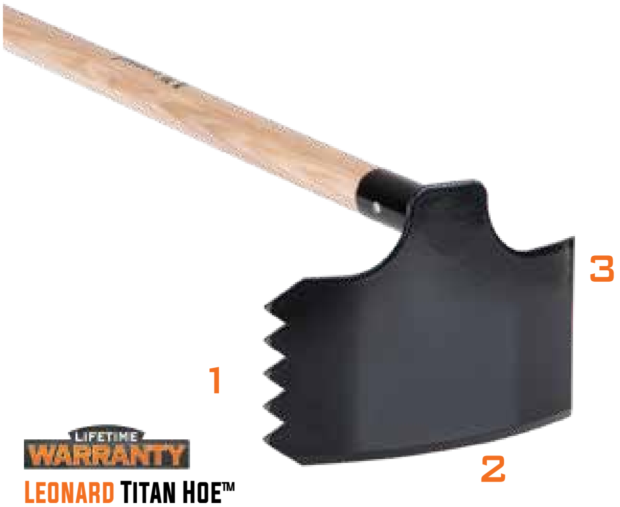
MADE IN THE USA, VERSATILE, UP TO ANY TASK

https://youtu.be/PNXLLe9My7w

LEONARD 7" FIELD HOE

Choose the Leonard Field Hoe when you need strength and durability. 7" wide, heavy duty 3/16" thick carbon steel blade is heat treated to break up hard soil and gets to the roots. Weighted and angled so you will need less effort to cut through whatever you come across including small trees. The blade is welded to a socket and then riveted to the sturdy 60" handle. Handle is lacquered American Hardwood. Overall length is 60-3/4". Ship wt 3.7 lb. **Made in the USA. Lifetime Warranty.**

AF700 $51.12



LEONARD TITAN HOE™

This three-sided tool has no end to its applications! Blade and teeth are constructed of extremely strong 3/16" thick, heat treated carbon steel with excellent edge retention. Press-fit and riveted 1-1/4" diameter American Hardwood handle. 60" overall. Ship wt 4.25 lb. **Made in the USA. Lifetime Warranty.**

Side1: A 4-1/2" toothed side for sod busting.
Side 2: A 9" wide curved edge for standard hoeing.
Side 3: A straight 4-1/2" side-blade for cutting.

AT900 $56.34 3+ $55.49 6+ $54.96

LEONARD GARDEN HOE

5-3/4" or 7" wide blade option is beveled on three sides so you can use to chop, weed and make furrows. Sheared ears enable this hoe to cut close to plants - just turn it up on its side. Blade is constructed of extremely strong 3/16" thick, heat treated carbon steel with excellent edge retention. Sturdy 60" lacquered American Hardwood handle. Versatile enough to use for both general landscaping as well as garden maintenance. **Made in the USA. Lifetime Warranty.**

AG700	7" blade	Ship wt 3.1 lb	**$46.96**
AG575	5-3/4" blade	Ship wt 2.5 lb	**$45.87**

LEONARD VERSAHOE™

A versatile three-sided tool. Blade is constructed of extremely strong 3/16" thick, heat treated carbon steel with excellent edge retention to hold a sharp cutting edge. Use it for weeding, planting vegetables/annual flowers, and furrowing to plant seeds. Riveted 1-1/4" American Hardwood handle, 60" overall. Ship wt 3.6 lb. **Made in the USA. Lifetime Warranty.**

Side1: Pointed tip for weeding soil breaking.
Side 2: 9-7/8" wide blade bottom for digging, etc.
Side 3: Curved 3-3/4" blade side for furrowing.

AH990 $59.95

LEONARD CULTIVATOR HOE

Sharp tines and 7" blade are constructed of extremely strong 3/16" thick, heat treated carbon steel with excellent edge retention. Made to dig a hole for plugs with a single swing. Takes 2 to 3 swings to dig a hole big enough for a quart-sized plant. Does the work of a cultivator, rake and hoe - grades, grubs and clears. 2" tines, 60" handle. Ship wt 4.5 lb. **Made in the USA. Lifetime Warranty.**

AH700 $64.74

PULMIPLANT

PULMIPLANT TRANSPLANTER WITH REINFORCED TIP

Save your back and your time when transplanting your vegetable starts or tree seedlings! The Pulmiplant Transplanter has a 3' tube with an inner diameter of 3" that allows you to transplant seedlings, or large seeds like potatoes, without ever bending over. Simply jab the Pulmiplant into the soil, drop your seedling, pull the trigger to release, and move on to the next one! Dual handles allow for easy maneuvering and the reinforced tip offers extra strength at the striking point. Ship wt 5.36 lb.

PPLANT $122.75

LEONARD
PLANTING BAR

LIFETIME WARRANTY

Increase seedling planting efficiency with our heavy duty all steel planting bar. The pointed blade shape and 9 lb weight eases insertion into the soil. The full 1" thick step offsets foot pressure while working the tool to proper planting depth. 11" x 3.5" blade, strong 12 gauge welded steel handle, smooth powder coat finish. 27" handle length. 39" overall length. Ship wt 9 lb. **Made in the USA.**

PL3811 $84.93

MEADOW CREATURE BROADFORKS

Made of a high-strength steel alloy, this welded all-steel construction will never bend or break. Digs into soil with ease. Use them to break up compacted soil, till existing beds, or aerate around fruit trees or perennials. Their unique design provides excellent leverage using your body's natural movement. Guaranteed by Meadow Creature for life and they are proudly **Made in the USA!**

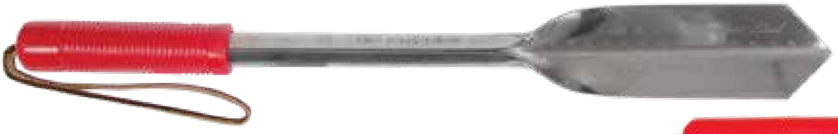
12" tines. 46" handle. 21" wide. Ship wt 15 lb.
BF-12 $297.81

14" tines. 50" handle. 21" wide. Ship wt 22 lb.
BF-14 $299.88

EARTHWAY PRECISION GARDEN SEEDER

Take the guesswork out of planting row crops with the Precision Garden Seeder from EarthWay! This heavy-duty garden seeder comes with 7 different seed plates to deliver precise seed spacing. And the furrow opener is adjustable for total control over the planting depth. The Precision Garden Seeder Includes 7 precision seed plates for: Sweet Corn, Radish/Leeks/Spinach, Carrots/Lettuce/Turnips, Beans/Small Peas, Jumbo Peas, Beets/Okra/Swiss Chard, Hemp, and more! To use, simply install the proper seed plate for the application. Adjust the depth of the furrow opener. Set the row marker to the appropriate width. Then fill the hopper with seeds. And finally, begin pushing in well tilled soil! While proceeding down each row, the wide rear wheel packs down soil for good soil to seed contact. The heavy duty aircraft grade aluminum frame and wheels are rust proof, offering a long service life. Some assembly is required. **Made in the USA!** Ship wt. 10 lb.

10001 $166.82



WILCOX LONG HANDLED STAINLESS STEEL TROWEL –

Pro quality 16 gauge stainless steel trowel has an 18" overall length to provide added reach or two handed use for more leverage in stubborn soils. 2" blade width makes it excellent for fine cultivating and weeding. Weight 1 lb. **Made in the USA. Lifetime Warranty.**

W250S **$26.62**

WILCOX STAINLESS STEEL ALL PRO WEEDER

All stainless steel weeder won't bend under heavy use. 3/4" stainless steel tubing features a formed sharpened V tip that cuts easily into soil for removing weeds. Extra long handle provides added leverage. Durable grip with leather string. 13" overall length. Weight 1 lb. **Made in the USA. Lifetime Warranty.**

W350S **$27.38** **3+ $26.98** **6+ $26.73**

WILCOX STAINLESS STEEL UTILITY TROWELS

These professional grade stainless steel trowels are constructed from a single piece of 16 gauge metal. Sharp point and beveled edges pierce into soil. Featuring depth markings up to 6" or 15 cm. 4-1/2" plastic grip with leather hand strap. **Made in the USA. Lifetime Warranty.**

102S	2" x 12"	Ship wt .5 lb	**$25.96**		
202S	3" x 14"	Ship wt 1 lb	**$31.13**	**3+ $30.61**	**6+ $30.28**

610HW
510HW

FORGED HANDY WEEDER

Similar to the 510HW, in heavy duty forged steel. 4-5/8" x 1-5/8" blade. 17" long overall. 10" handle. Ship wt .5 lb.

610HW **$29.58** **3+ $28.63** **6+ $28.04**

HANDY WEEDER

5" x 1-5/8" blade, welded 1/4" square steel tang, wood handle. 10-1/2" overall. Terrific general purpose tool. Ship wt .5 lb.

510HW **$17.98** **3+ $17.40** **6+ $17.05**

FORGED HANDY WEEDER

Sturdy forged construction and sharp 4-7/8" x 1-3/4" blade set perfectly angled to cut into soil and roots. 10" handle is perfect for one or two handed use. 13-1/4" overall. Ship wt .5 lb.

710HW **$29.97** **3+ $29.01** **6+ $28.41**

SICKLE AND SAW KNIFE

Lightweight, yet durable construction. 4" curved Japanese steel blade with both saw and plain edge for improved cutting efficiency. 5-1/2" wood handle. Ship wt .5 lb.

SK44 **$19.64** **3+ $19.01** **6+ $18.62**

EZ-DIGGER

A unique Oriental garden tool that is a spade, trowel, weeder, cultivator and more! Hand forged 7" tapered, curved blade. Choose between a short or long hardwood handle.

54" long handle, Ship wt 2 lb
EZ2 **$36.90** **3+ $36.16** **6+ $35.70**

5" short handle, Ship wt .5 lb
EZ1 **$22.26** **3+ $21.55** **6+ $21.10**

COBRAHEAD WEEDER AND CULTIVATOR

The knife-quality sharpened steel blade cuts through tough soil easily and becomes an extension of your hand. Its all-purpose design precisely removes weeds (root and all), cultivates, furrows, and makes seed holes and transplanting a snap. 100% recycled composite handle. Ship wt 1 lb.

Short handle, 13" overall, Ship wt 1 lb
CHEAD **$29.69** **3+ $29.04** **6+ $28.64**

Long handle, 62" overall, Ship wt 3.5 lb
CW54 **$82.96** **3+ $81.51** **6+ $80.60**

ALTERNATIVE WEED CONTROL TOOLS

WEED DRAGON® AND RED DRAGON® TORCH KITS

Torch kits provide a natural, non-chemical method of removing unwanted snow and ice. Can also be used to remove weeds in the lawn, garden, driveway, fields, fence lines, and irrigation ditches. Torches are available as Torch Kit, Torch and Cart Kit, and Backpack Kit. **Backpack option includes a 10 lb cylinder, others require use of a locally purchased propane cylinder, the common gas grill type (not included).**

https://www.youtube.com/watch?v=JPZFM0M-iEQ

RED DRAGON® 400,000 BTU TORCH

This 2-1/2″ bell, 400,000 BTU torch produces approx. an 18″ flame with the hottest temperature around 12″ from nozzle. This size is better suited for large coverage areas such as driveways, fence rows and ditches. **Made in the USA.**

Item	Description	Ship wt	Price	3+	6+
T230	Torch Kit	5 lb	**$199.77**	**–**	**–**
CT230	Torch & Cart Combo	19.5 lb	**$282.54**	**$279.15**	**$277.03**
BP230	Backpack Torch Kit	27.5 lb	**$449.30**	**$443.91**	**$440.54**

WEED DRAGON® 100,000 BTU TORCH

This 2″ bell, 100,000 BTU torch produces a roughly 12″ long flame with hottest temperature around 6″ from nozzle. This size provides a more narrow, targeted flame than larger model. Beneficial for certain applications around tighter areas where a more targeted flame is best. **Made in the USA.**

Item	Description	Ship wt	Price	3+	6+
T223	Torch Kit	5 lb	**$172.69**	**$170.62**	**$169.33**
CT223	Torch & Cart Combo	19.5 lb	**$268.69**	**$265.46**	**$263.44**
BP223	Backpack Torch Kit	25.5 lb	**$439.94**	**$434.55**	**$431.18**

SIDESWIPE PRO

SIDESWIPE™ HERBICIDE APPLICATOR

Easier than a hoe, safer than spraying. The wipe-on applicator puts herbicide where you need it: on the weeds and nowhere else! With protective shield, 1 qt capacity. Ideal for applying Roundup. 53″ handle. Ship wt 3 lb.

S100 $69.77 3+ $67.83 6+ $66.62

HOT BED WEEDER

A fast-working tool with three positions! Flexible blade, 4-1/2″ hardwood handle. A real time-saver. 11″ overall length. Ship wt .5 lb. **Made in the USA!**

HBWI $39.90 3+ $39.22 6+ $38.79

SIEVERT GARDENER WEED TORCH

Now, you can fight weeds effectively and conveniently too. No chemical hazards or messy cleanup. Complete with push button ignition. Runs on propane or a mixture of propane/butane in 14 or 16 oz cylinders (not included). 30.3″ length. Optional 8′ hose assembly allows you to use with bulk tanks. Gas consumption 10.3 oz per hour.

2230	15,000 BTU Torch	Ship wt 3 lb	**$93.59**	**3+ $92.63**	**6+ $92.03**
1508WS	8′ hose kit for 2230	Ship wt 1 lb	**$62.61**		

TRUE TEMPER

TRUE TEMPER FORGED WARREN HOE

4-3/4" x 6-5/8" beveled, forged head. 45" hardwood, ferrule style handle. Ship wt 2 lb. **15 year warranty.**

7WH $28.02 3+ $27.64 6+ $27.40

RAZORBACK

RAZOR-BACK® POINTED PUSH HOE

Easy push/pull action. 6-1/2" x 4" forged blade. 46" ferrule handle. Ship wt 2 lb. **Limited Lifetime Warranty.**

FS65 $45.42 3+ $44.55 6+ $44.00

RAZORBACK

RAZOR-BACK® SCUFFLE HOE

This 7" blade features a forged steel bent-shank head design with a 60" hardwood handle. Use to weed and cultivate around plants and flowers. **Made in the USA. Limited Lifetime Warranty.**

8443H $48.18 3+ $47.02 6+ $46.30

RAZORBACK

RAZOR-BACK® NURSERYMEN'S HOE

3 beveled edges. 6" x 3-1/2" blade forged steel blade. 54" socket style wood handle. Ship wt 3 lb. **Limited Lifetime Warranty.**

6NH $38.46 3+ $37.70 6+ $37.22

RAZORBACK

RAZOR-BACK® PLANTER HOE

Extra heavy duty 5/8" shank, 7" x 5-1/2" forged blade. 54" shank style handle. Ship wt 3 lb. **Limited Lifetime Warranty.**

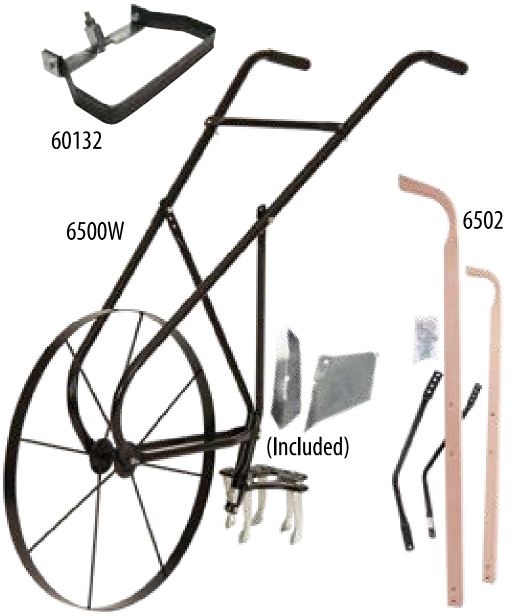
CH112 $41.42 3+ $40.75 6+ $40.32

CLARINGTON FORGE

CLARINGTON FORGE DUTCH-STYLE SCUFFLE PUSH HOE

5" x 2.875" head; 5' overall length. A traditional style Dutch hoe with a 5" wide blade that delivers smooth and easy use. The blade is designed to be pushed or pulled through the top layer of soil, removing weeds and loosening soil with minimal effort. The long handle is made from ash, which comes from a sustainable source. Remove weeds with ease!

3500D $68.08



KENTUCKY HIGH WHEEL CULTIVATOR

Features a heavy-duty powder-coated tubular steel frame with handles that offer three different height adjustments and rides on a 2' diameter steel wheel. Includes three standard tools: a twin-end furrow plow, a moldboard plow, and a five-tine cultivator. This Kentucky-Style Cultivator is incredibly versatile. It is perfect for furrowing, cultivating, and many more garden-related tasks. The frame is small enough to get into tight rows yet offers superior stability. This tool handles even the roughest terrain with ease, thanks to the 2' diameter wheel. Consider purchasing the Slicing Hoe Attachment (60132). This add-on enables you to use the cultivator to cut through weeds like butter!

6500W $180.83 3+ $177.47 6+ $175.37

Earthway® Slicing Hoe Attachment. Ship wt .9 lb
60132 $62.93

Oak Handle Conversion Kit
6502 $139.88

CLARINGTON FORGE

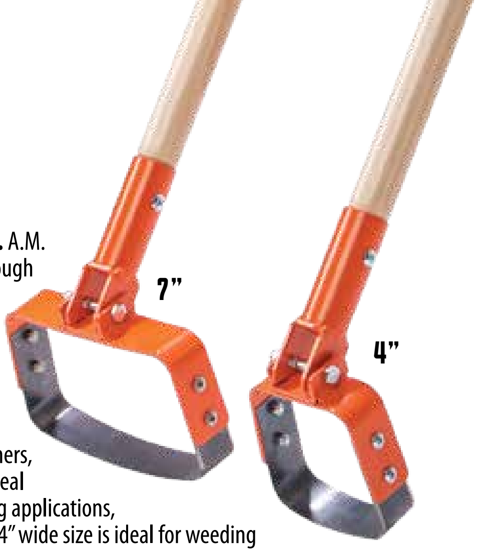
CLARINGTON FORGED DIGGING FORK

Superior quality digging fork, tines and socket are forged from one piece of steel for exceptional durability. Quality ensured. Made in England, since 1780. Value that will last year after year. Ash split D-grip handle. 8" wide. 40" overall length. Ship wt 5 lb.

CGF $103.58

WEED & BED TAMERS

https://youtu.be/AexVyB52U-o



LEONARD STIRRUP HOE

Now available in 7” and 4” wide options. A.M. Leonard’s Stirrup Hoe is designed to slice through all types of soil and weeds quickly! Made to glide just below the surface of the soil, this tool cuts through and knocks down weeds with very little effort. Ideal for fast, effective weeding in between row crop, or to quickly cut down an overgrown landscape. Stirrup hoe’s are an effective tool for growers, gardeners, and landscapers alike! Our 7” Stirrup hoe is ideal for weeding in walk paths, wider crop spacing applications, and is the preferred size for landscapers. The 4” wide size is ideal for weeding in tight spaces and in narrow crop spacing. Our high quality, spring steel blade is engineered for optimum performance and durability. It features chamfered, machine sharpened edges on both sides for effortless cutting on both the push and pull motion. The heavy-duty 10 gauge steel pivoting bracket assembly creates an oscillating motion, this keeps the blade at proper cutting angle in either direction. The blade is replaceable, creating an extremely cost effective tool. Equipped with a 60” American Hardwood handle that is 1-1/16” in diameter. Weighing only 2.5 lb. Some assembly required. **Made in the USA. Lifetime Warranty.**

Note: The blade of this cultivating tool is a wearing component and will need occasional replacement. These stirrup hoe blades wear depending on soil type and frequency of use. Warranty does not cover any normal wearing of the blade. Some assembly required.

MACHINE SHARPENED EDGES ON BOTH SIDES!

Item	Description	Ship wt	Price	3+	6+
AS400	4” Stirrup Hoe	2.4 lb	**$54.89**	**$53.76**	**$53.06**
400SBLD	4” Repl. Blade	.11 lb	**$15.15**	**$14.80**	**$14.58**
AS700	7” Stirrup Hoe	2.6 lb	**$59.78**	**$58.42**	**$57.56**
700SBLD	7” Repl. Blade	.14 lb	**$19.74**	–	–

64-1/2" OVERALL

LEONARD 6” SCUFFLE HOE

Another popular and versatile weeding tool made for the professional landscaper and nurseryman. This three-sided tool is precision sharpened on all sides and easily cuts through soil and weeds on both push and pull motions. A.M. Leonard's Scuffle Hoe tool head is heat treated to a specified hardness to ensure the edges stay sharp. Built to withstand the toughest soil conditions and repeated all day use. Measuring 6-1/4" wide this versatile size is perfect for many growing applications. Ideal for maintaining weed free row crop or landscape. The scuffle hoe can be used to weed in between and around plants and underneath plants with a low canopy. Equipped with a 60" handle for that allows for weeding and cultivating to be done in a comfortable standing position. This light weight and versatile tool is a must have tool for landscaping and makes quick work of an overgrown landscape. Some assembly required. Ship wt 2.6 lb. **Limited Lifetime Warranty. Made in the USA!**

3 SHARPENED SIDES

AM60S	**$59.60**	**3+ $58.69**	**6+ $58.12**

LEONARD 4” HOOP HOE

Designed to cut through the toughest soils while protecting any surrounding plants. The machine sharpened edge slices through soil while the unsharpened sides of the hoop direct the blade away from root masses. Ideal for weeding in row crops, the heavy-duty welded steel tool head makes a great cultivator, breaks up tough soil, and more. Equipped with a 60” American Hardwood handle that allows the user to work in a comfortable standing position. The sharpened area along the bottom edge of the Hoop Hoe measures about 2-3/4” wide. While the 4” diameter hoop extends past the sharpened width. Weighing just over 2 lb, this light weight tools is an extremely useful tool to add to your collection. Ship wt 2.1 lb. **Lifetime Warranty. Made in the USA!**

MACHINED SHARPENED EDGE

AH400	**$45.07**	**3+ $44.19**	**6+ $43.64**

LEONARD NURSERY SPADE WITH COMPOSITE HANDLE

Built to handle the toughest landscape and nursery jobs. Features a combination of a hardened alloy steel blade and our tough composite handle. Designed with a thin, flat slicing edge to cut through roots and compacted soil and turned steps for comfort and control! Our "TuffFlex" composite handle is designed with a fiberglass core for maximum strength and load bearing. 13" blade length. 26" handle length. 5-1/2" handle lift. Heavy-duty 12 gauge steel blade measures 7-1/4" wide at the top and tapers to a 6" wide cutting edge. Ship wt 6 lb. **Lifetime Warranty.**

A1FM $69.89 3+ $67.99
6+ $66.80

RAZOR-BACK® ALL-STEEL SPADES

12 gauge steel blade tapers from 7-1/4" to 6" at the edge. Takes on digging tasks from edging and clearing to deep transplanting. 27" D-grip handle. Preferred by some pros for its added weight. Includes 2 foot pads. **Limited Lifetime Warranty.**

RAS13

13" blade, 40" overall, 6.3 lb., 7-1/2" hdl. lift
RAS13 $74.96
3+ $73.86
6+ $73.17

15" blade, 42" overall, 7 lb., 7" handle lift
URB15 $82.92
3+ $81.83
6+ $81.15

CORONA ALL-STEEL 15" DIAMOND POINT SPADE

For planting, spading, prying, cutting roots, and installing edging! 26" steel handle with a large D-grip. Heat-treated 12 ga 15" beveled blade. 41" overall length. Ship wt 7 lb. WARNING All Steel shovels and spades should not be used in areas where underground electric lines, wires or cables may be present.

AS220 $110.64
3+ $108.57
6+ $107.28

JACKSON DITCH AND POST SPADE

Jackson J-450 Pony Forged Ditch & Post Shovel - The Jackson Professional Tools ditch and post shovel features a 16" tempered steel head with a forward turned-step. Equipped with a 27" hardwood handle with armor D-grip. This specialty shovel is versatile for clearing and digging postholes, trenches, drainage, and ditches. Ship wt 5 lb. **Limited Lifetime Warranty.**

B5816 $99.93

AG11L

AG11

LEONARD GARDEN SPADE

The Leonard Garden Spade features an extra thick 12 gauge steel blade and closed-back construction delivering high strength and durability. The larger sized turned steps aid in foot comfort and are Leonard Foot Pad compatible. The spade has a shallow bowl, medium handle lift, and straight edge (middle ground between a nursery spade and square point shovel) creating a tool for many tasks; from scooping gravel and soil, to transplanting trees, and edging landscape beds. Outfitted with an American Hardwood handle with your choice of long handle or D-grip style. 7-3/8" x 11" blade size, 30" D-grip handle with 41-1/4" overall length or 48" handle with 59-1/2" overall length. Wt 4.9 lb. **Lifetime Warranty.**

D-Grip Handle, 8-1/2" handle lift
AG11 $49.19

Long Handle, 10-1/2" handle lift
AG11L $41.98 3+ $40.74
6+ $39.96

AMFP Foot Pad Only
$9.99 3+ $9.67 6+ $9.47

772KGS

771KGS

RAZOR-BACK® GARDEN SPADES

6-7/8" x 12", 14 gauge tempered steel. Turned steps. Choose 30" D-grip or 48" long handle. Ship wt 4 lb. **Limited Lifetime Warranty.**

772KGS 48" Handle **$56.19 3+ $55.49 6+ $55.06**
771KGS D-Grip Handle **$54.62**

JACKSON J-450 PONY GARDEN SPADE

Popular for its lightweight, outstanding durability. Well suited for garden trench work and transplanting shrubs. Heavy-duty 12 gauge forged blade is 7" x 12". Dished blade with a 11" ends in a short flat edge. Features turned steps and solid steel shank. Equipped with a 27" American Ash handle with Armor steel D-Grip. Complete tool measures 40-1/4" long. Ship wt 5 lb. **Lifetime Warranty.**

208GS
$99.65

FULL STRAP SPADES

AMP13L

LEONARD LONG HANDLE FULL STRAP NURSERY SPADE

Our Leonard strap spades have the classic design of a steel strap up the front and back of the handle for high strength in the critical stress area. The heavy-duty 12 gauge steel has a higher carbon content and it's heat treatment provides the strength needed to tackle just about any job. We've outfitted the tool with a 48" long American Hardwood handle for added tool length, reach, and leverage. 9-1/2" handle lift. This combination of steel and contoured wood create a tool that's a true performer. Straight edge style tackles transplanting, root pruning, edging, and much more. 13" blade length tapers 7-1/2" to 6-1/8". Ship wt 6.75 lb. **Made in the USA. Lifetime Warranty.**

Item	Description	Price
A13ML	Spade	**$143.39**
AMP13L	Spade w/Foot Pad	**$148.38**
AMFP	Foot Pad Only	**$9.99**

DIAMOND POINT

A13DL

LEONARD LONG HANDLE DIAMOND POINT FULL STRAP NURSERY SPADE

Diamond point style tackles transplanting and digging in compact and tough soil conditions. Diamond point maintains a sharp edge and virtually sharpens itself as you dig. 13" blade length tapers 7-1/2 to 6-1/4" then transitions to a 130° point. 48" Handle. 9" handle lift. Ship wt 6.6 lb. **Made in the USA. Lifetime Warranty.**

Item	Description	Price
A13DL	Spade	**$146.66**
AMP13DL	Spade w/Foot Pad	**$156.65**
AMFP	Foot Pad Only	**$9.99**

https://youtu.be/LQOYV0stn4o

LEONARD CLASSIC FULL STRAP SPADE

A.M. Leonard is proud to still offer the Full Strap Nursery Spade. We invested to retool this spade with a shock absorbing wood core handle and great balance, so we can continue to offer one of the strongest tools on the market. The Leonard Full Strap Spade provides the comfortable feel of a traditional wood handle, with the benefit of strong steel reinforcement straps. This wood/steel "lamination" offers exceptional handle strength. In addition, both the blade and lower strap areas are tempered maximizing durability. 13" long heavy-duty 12 gauge steel blade. 26-1/2" handle length. 13" handle lift. Top blade width 7-1/2". Cutting edge width 6-1/8". Ship wt 6.5 lb.
Lifetime Warranty. Made in the USA.

A13M	Spade	**$152.24**		
AMP13	Spade w/Foot Pad	**$157.23**		
AMFP	Foot Pad Only	**$9.99**	**3+ $9.67**	**6+ $9.47**

https://youtu.be/ogVD5MtDZP0

LEONARD DIAMOND POINT FULL STRAP NURSERY SPADE

The Tool the Industry was Built On". This restored classic has all of the unique features of our Full Strap Spade but features a Diamond Point for easier digging, cutting roots, and edging. Heavy-duty 12 gauge steel blade has a higher carbon content and is heat treated for additional strength. The 13" blade length tapers from 7-1/2" to 6-1/4" then transitions to a 130° point. Diamond point blade is virtually self-sharpening! Built-in turned steps accept Leonard foot pad. 26-1/2" laminated wood/steel handle with steel D-Grip completes this extremely strong spade. 5" handle lift. Strong, tried-and-true and backed by a **Lifetime Warranty. Made in the USA.** Ship wt 6.5 lb.

A13D	Spade	**$154.81**		
AMP13D	Spade w/Foot Pad	**$164.80**		
AMFP	Foot Pad Only	**$9.99**	**3+ $9.67**	**6+ $9.47**

15" BLADE

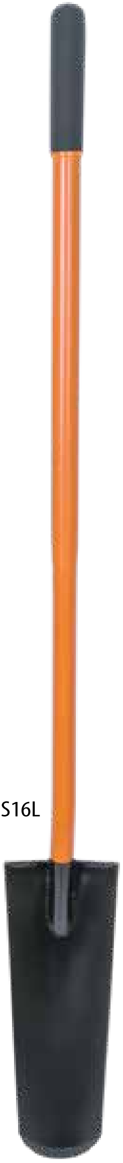
AMP15

AM15L

16" BLADE

ADS16

ADS16L



ALL STEEL

LIFETIME WARRANTY

LEONARD 15" ALL STEEL SPADES

Made of strong alloy steel, these 12 gauge heat treated 15" blades offer great tensile strength and are outfitted with turned steps for comfort. Flat black back design reduces soil buildup, and the steeply tapered blade edge makes short work of roots and stubborn soil. Fully welded 50" steel handle is designed to hold up to the most extreme applications. Tubular steel D-Grip option allows for a secure grip from any position. This rounded steel D-Grip offers the most comfortable grip, even with gloved hands. Blade tapers from 7-3/8" to 6" at the bottom edge. **Lifetime Warranty.**

27" D-Grip. Ship wt 7.4 lb. 7" handle lift
AM15 $88.45 3+ $85.67 6+ $83.93

27" D-Grip w/Foot Pad, 7" handle lift
AMP15 $93.44 3+ $90.62 6+ $88.85

50" Long Handle. Ship wt 8.3 lb. 10-3/4" hdl. lift
AM15L $105.14 3+ $102.18 6+ $100.33

50" w/Foot Pad, 10-3/4" handle lift
AMP15L $110.13 3+ $107.13 6+ $105.25

LIFETIME WARRANTY

LEONARD ALL STEEL DRAIN SPADES

12 gauge blade and high quality steel construction with a tough, powder-coated handle. Delivering high strength and durability, this spade is welded at the blade to take on big projects without breaking. The long, narrow blade digs efficiently to transplant shrubs, roses and small trees, as well as its original purpose of digging trenches for irrigation, drainage, etc. Both 30" D-grip and 45" long handle options are available. The tapered blade is 6" wide at the top and is 16" long. Overall length of the D-grip style drain spade is 46" long, and the long handle version is 61" long. **Lifetime Warranty.**

ADS16 D-Grip, 4-1/2" handle lift
Ship wt 6 lb
$85.13 3+ $82.41 6+ $80.70

ADS16L Long Handle, 7" handle lift
Ship wt 8 lb
$105.61 3+ $102.23 6+ $100.12

AMFP Foot Pad Only
$9.99 3+ $9.67 6+ $9.47

https://youtu.be/1HcDUkafl-w

LIFETIME WARRANTY

LEONARD ALL STEEL SHOVEL

A popular member of the Leonard Lineup of All Steel Tools. This popular blade shape and well balanced design is now available in a tough, heavy gauge steel construction. Tubular alloy steel handle has a high strength to weight ratio and the blade is an extra thick 12 gauge steel with roughly a 17" handle lift. One-piece welded construction, no fasteners to fail or loosen over time. 8-3/4" x 12" blade, 48" handle. Weight 6.7 lb. **Lifetime Warranty.**

AM11 $107.36 3+ $104.99
6+ $103.51

DIAMOND POINT

LIFETIME WARRANTY

LEONARD ALL STEEL DIAMOND POINT SPADES

Our time tested all steel spades are now available with a diamond point blade. This pointed edge allows you to dig, cut, and edge much more efficiently. You can expect the same high quality steel construction as the AM12. With a tough, powder-coated handle, welded at the blade to take on big projects without breaking. This ADP12 line features a 13" long blade that tapers from 7-3/8" to 6" at the bottom before transitioning to a 130º point. Both 27" D-grip and 50" long handle options are available. **Lifetime Warranty.**

ADP12 D-Grip. Ship wt 6 lb.
6-1/2" handle lift
$84.53 3+ $81.83
6+ $80.13

ADP12L Long Handle. Ship wt 8 lb.
12" handle lift
$104.88 3+ $101.88
6+ $100.01

13" BLADE
ADP12L
ADP12

Adheres to itself, not tools!

LEONARD SELF-FUSING SILICON GRIP WRAP

Great hand protection for D-Grip tools! Use Leonard Self-Fusing Silicon Grip Wrap to add a grip to any handle! Insulates up to 8000V of electricity. Silicon is naturally resistant to harsh conditions like extreme temperatures, UV, oil, salt, and chemicals. This grip wrap uses no adhesives so there's no worry about a sticky residue upon removal. Our Leonard Grip Wrap has a 3 ridge profile, and is perfect for use on almost any tool. Layer the grip wrap to dampen impacts. Our Grip Wrap is 1-1/8" wide and comes in a 10' roll. **Made in the USA!** Ship wt .1 lb.

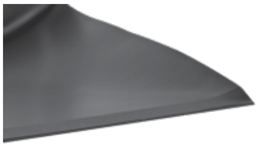
ATT22	Black	**$19.75**	**3+ $19.33**	**6+ $19.07**
ATT23	Clear	**$19.75**	**3+ $19.34**	**6+ $19.09**
ATT24	Orange	**$19.75**		

https://youtu.be/6-ZEZTTZeow

LIFETIME WARRANTY

LEONARD 13" ALL STEEL SPADES

Made of strong alloy steel, these 12 gauge heat treated 13" blades offer great tensile strength and are outfitted with turned steps for comfort. Flat back design reduces soil buildup, and the steeply tapered blade edge makes short work of roots and stubborn soil. Fully welded 50" steel handle is designed to hold up to the most extreme applications. Tubular steel D-Grip option allows for a secure grip from any position. This rounded steel D-Grip offers the most comfortable grip, even with gloved hands. Blade tapers from 7-3/8" to 6-3/8" at the bottom edge. **Lifetime Warranty.**


Beveled cutting edge for best soil and root cutting.

Pre-drilled turned steps for foot comfort and placement of AMFP rubber foot pad.

13" BLADE
AMP12L
AM12

LEONARD 13" ALL STEEL SPADES

	7-1/2" handle lift			
AM12	27" D-Grip. Ship wt 6.8 lb.	**$78.64**	**3+ $76.45**	**6+ $75.09**
AMP12	27" D-Grip w/Foot Pad	**$83.63**	**3+ $81.40**	**6+ $80.00**
	11-1/4" handle lift			
AM12L	50" Handle. Ship wt 7.8 lb.	**$99.91**	**3+ $97.15**	**6+ $95.42**
AMP12L	50" w/Foot Pad	**$105.90**	**3+ $103.01**	**6+ $101.21**
AMFP	Foot Pad Only	**$9.99**	**3+ $9.67**	**6+ $9.47**

SPECIALTY KNIVES FOR GRAFTING & PRUNING

683T

TINA FIXED BLADE BUDDING KNIFE

American pattern, with 1-3/4" hand forged blade, polished walnut handle. 6-1/4" overall. Ship wt .5 lb.

683T $66.58

685T

TINA FIXED BLADE GRAFTING KNIFE

2-1/4" forged blade, smooth polished wood handle. 6-1/2" length. Ship wt .5 lb.

685T $66.85

605LH

TINA GRAFTING KNIFE

2-1/2" forged, folding blade with comfortable, curved 4" walnut handle. Ship wt .5 lb.

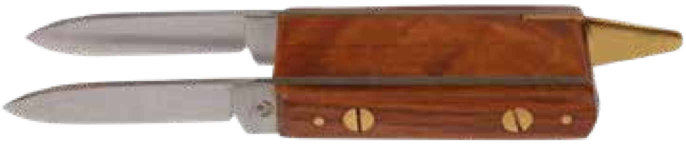
605T	Right handed model	**$124.60**
605LH	Left handed model	**$163.80**

600AT

TINA EXTRA HEAVY GRAFTING KNIFE

3" forged, folding blade, specially shaped 4-1/2" polished walnut handle. Ship wt .5 lb.

600AT $164.18



TINA WALNUT AND PECAN BUDDING KNIFE

Solid walnut handle! Tina walnut and pecan budding knife with 1" stationary bark lifter. Fixed 2-1/4" hand forged blades, spaced 1-1/8" apart. 3" walnut handle.

671T $299.39

VICTORINOX

2475E

VICTORINOX FLORIST/GRAFTING

Quality at a special price! 2-1/4" stainless steel blade, 3-7/8" red nylon handle with alloy lining. Ship wt .5 lb.

2475E $26.29

2476E

VICTORINOX PRUNING KNIFE

2-1/4" stainless steel folding blade, 4" alloy lined red handle. Ship wt .5 lb.

2476E $24.19

891R

VICTORINOX FIXED BLADE GRAFTING KNIFE

3-1/4" stainless steel blade, 4" red nylon handle. Ship wt .5 lb.

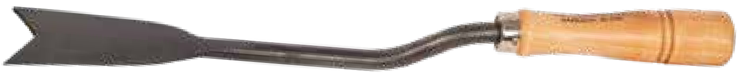
891R $9.73

HOOK BLADE AND ASPARAGUS KNIFE

HOOK BLADE KNIFE

Extra long 3-1/2" fixed blade with 4-3/4" wood handle. Ship wt .5 lb. **Made in the USA.**

42512 $24.32 3+ $23.89 6+ $23.62



ASPARAGUS WEEDER STEEL KNIFE

2-for-1 tool: harvest asparagus the right way, and trim out weeds just below the surface! 1.3" x 3.375" blade; 15" overall length. A lifetime tool. Top-quality hand-forged carbon steel for long wear, rough use. Just right for asparagus and deep weeding. The longer length shaft gets under the plant and into the ground to reach tender stalks. Wood handle. Weight 0.7 lb. **Made in the USA!**

19AK $39.93 3+ $39.27 6+ $38.86

LIFETIME WARRANTY

LEONARD WAVY EDGE CUT-ALL KNIFE

13” Blade
4042T

Hardened stainless steel blade offers a sharp cutting edge and features a permanent, weatherproof overmolded composite handle. Use for harvesting vegetables, dividing perennials, cutting sod and more! Ship wt .5 lb. **Lifetime warranty.**

8” Blade
4041T

4041T	8″	**$31.86**
4042T	13″	**$37.55**

LIFETIME WARRANTY

LEONARD LEATHER CUT-ALL KNIFE SHEATH

Keep your knife within reach! This leather sheath fits 4041T - Leonard Wavy Edge Stainless Steel Cut-All Knife or other similar tanto knives with blade lengths of 8-1/2″ or less. We designed this sheath to be extra durable with a riveted and sticked construction. You can attach it to your belt via a riveted belt clip. Overall length: 15-3/4″. Ship weight: 4.7 oz.

KWKS12COM

KWKSCOM

CA9	Sheath (Fits 4041T)	**$22.48**	**3+ $22.05**	**6+ $21.79**
KWKSCOM	CA9 and 4041T knife	**$49.34**		
CA12	Sheath (Fits 4042T)	**$25.34**	**3+ $24.97**	**6+ $24.74**
KWKS12COM	CA9 and 4042T knife	**$57.89**		

LEONARD SHEEP SHEAR

LIFETIME WARRANTY

The traditional sheep shear has had a place in our industry for over a century. The angled, tempered blade make contact at only the cutting edge for reduced friction. This design is virtually unaffected by sap buildup. We added a slight twist with vinyl coated handles to insulate the steel and provide slip resistance. Shear design has no independent parts to wear or loosen. A versatile shear to tackle a wide variety of trimming needs. Produced in Italy in an area prized for cutlery. The blades are also hollow ground, measuring 5-3/4″ in length. Ship wt 1 lb. **Lifetime Warranty.**

70P	**$36.36**	**3+ $35.61**	**6+ $35.14**

LEONARD PREMIUM MULTI-PURPOSE SCISSOR

LIFETIME WARRANTY

A high quality scissors that are built double-tough! The blades are extra thick, and produced from carbon steel which creates a strong tool with long lasting cutting edges. The black oxide coating resists rust and corrosion. Sharp enough to cut fabrics, strong enough to cut leather, burlap, ground cover, stems, supplies and more. One pointed blade to penetrate fabric, and one rounded for strength and safety. Orange coated handles provide a sure grip. 3" cutting edge, 8-5/8" length, 11.8 oz wt.

4260	**$41.85**	**3+ $40.78**	**6+ $40.12**

Blade Guard opens and closes with the flick of a wrist.

FISKARS® PRO FIXED BLADE UTILITY KNIFE

Fixed blade knives provide a predictable feel and this Fiskars® knife utilizes a unique folding blade guard for safety. The blade guard opens and closes with a flick of the wrist. The knife hinges open with no loose parts to disassemble, so you can change blades quickly and easily. Onboard storage inside the grip has capacity for five fresh blades. Tough cast aluminum construction with reinforced end handles pounding and drops. Measuring 7″ long and about 1″ thick. Includes one CarbonMax™ utility blade that lasts 24X longer than standard utility blades. This knife also accepts standard utility knife blades. Ship wt 0.5 lb. **Lifetime Warranty.**

Item	Description	Price	3+	6+
770010	Utility knife	$16.43	$16.19	$16.04
771020	Repl. blade 10 pack	$12.40	$12.14	$11.97
771030	Repl. blade 50 pack	$39.41	$38.88	$38.55

FISKARS® PRO FOLDING UTILITY KNIFE

This knife opens with the flick of a wrist! And is equipped with dual-locking blade system that prevents accidental blade release. Tough cast aluminum construction with reinforced end handles. Measuring 6-3/4″ long when open, 4-1/2″ closed, and only 1″ thick. This folding knife is compact, easy to carry, and comes equipped with a belt clip. Includes one CarbonMax™ utility blade that lasts 24X longer than standard utility blades. This knife also accepts standard utility knife blades. Ship wt .5 lb. **Lifetime Warranty.**

Item	Description	Price	3+	6+
770030	Utility knife	$19.65	$19.32	$19.12
771020	Repl. blade 10 pack	$12.40	$12.14	$11.97
771030	Repl. blade 50 pack	$39.41	$38.88	$38.55

KUTMASTER POCKET KNIFE

2″ heavy duty stainless steel blade, hand honed to a razor edge. Strong stainless lock spring, laminated hardwood handle. Ship wt .5 lb.

1883K $18.58 3+ $17.99 6+ $17.61

LEATHERMAN WAVE+

17-in-1! Larger knives, stronger pliers, longer wire cutters and all-locking blades make the new Wave an essential piece of equipment for most any job or adventure. Stainless steel construction. 4" overall when closed. Add the Leatherman Bit Kit for maximum versatility. 3″ clip point & serrated knife. Needle nose/regular pliers. Hard wire/wire cutters. Wire strippers. Large screwdriver. Lg & sm drivers (included). Wood/metal file. Saw. Bottle/can opener. 8″ (19 cm) ruler Ship wt .5 lb. **Made in the USA!**

LT837 $119.29

LEATHERMAN SURGE®

21-in-1! Stainless steel construction. 4-1/2″ overall, closed. 3″ clip point & serrated blade. Needle nose / regular pliers. 3 type wire cutters. Wire strippers. Electrical crimper. 2 bit drivers (bits included). 5/16 screwdriver. Saw. Bottle / can opener. 9″ / 22 cm ruler. Scissors. Awl w/ threaded loop. Wood / metal file. Blade exchanger. Ship wt 1 lb. **Made in the USA.**

LT158 $159.58 3+ $156.51
6+ $154.60

LEATHERMAN SUPER TOOL 300

19-in-1! Stainless steel construction. 4-1/2″ overall, closed. 3″ clip point and serrated blade. Needle nose/regular pliers. 3 type wire cutters. Wire strippers. Electrical crimper. 4 screwdrivers. Saw. Bottle/can opener. 9″/22 cm ruler. Awl with threaded loop. Wood/metal file. Ship wt .5 lb. **Made in the USA.**

LT300 $99.92 3+ $98.75
6+ $98.02

UTILITY PLIERS

Truly a multi-purpose tool, with wire cutter, staple puller, hammer head and wire grip. Alloy steel body, polished head. 10-1/2″ length, 7/32″ wire capacity. Ship wt 2 lb.

1936P $22.31 3+ $21.87
6+ $21.59

GRIPPLE® CABLE CUTTER

This tool makes short work of steel cables! The Gripple® Cable Cutter features a compact, lightweight design. Gripple® outfits this cutter with hardened steel jaws. The Gripple® Cable Cutter is essential when installing Gripple® Anchors and Bracing Systems. This tool cuts through cables measuring 1/8 to 5/32″ in diameter. Gripple® designed this tool for maximum efficiency. The hardened steel jaws ensure years of dependable service. Ship wt .7 lb.

GCUTTER $41.89 10+ $40.90 20+ $40.27

FELCO WIRE CUTTER

An outstanding powerful tool for cutting steel wire and cable. Unique triangular jaws never leave a frayed cut. Cuts wire and small cable up to 3/16″. 7-1/4″ overall length. Ship wt .5 lb.

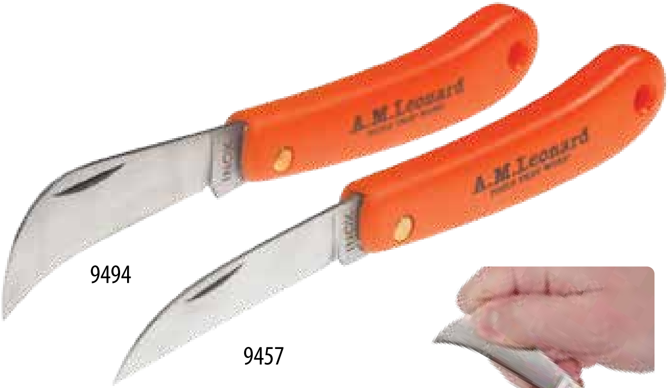
C7F $65.08

STAINLESS STEEL BLADES FOR SHARPNESS AND LONGEVITY

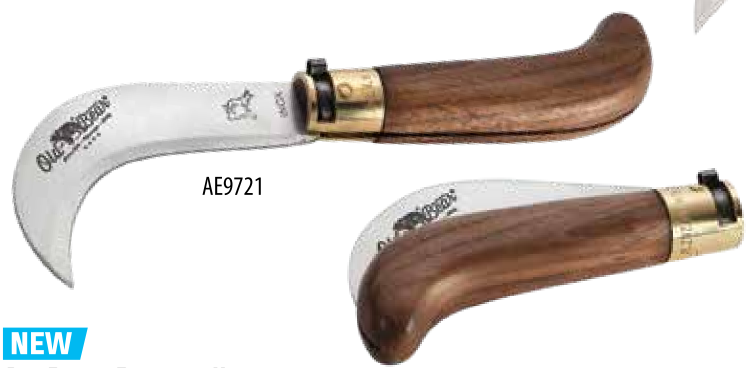
LEONARD PRUNING AND GRAFTING KNIVES

Stainless steel AISI type 420 blade for ultimate sharpness make tough grafting jobs easy! The handle is ABS plastic with carbon steel inner liners for incredible strength, and it features a satin orange finish with our logo proudly displayed. 4" handle with a 2-1/2" blade. A top quality knife at a top notch price! Ship wt .5 lb.

9494	Curved Blade	**$17.57**	**3+ $17.10**	**6+ $16.80**
9457	Straight Blade	**$17.57**	**3+ $17.10**	**6+ $16.80**



SPRING CLASP NON-LOCKING BLADE DESIGN OPENS AND CLOSES WITH A GOOD STIFF ACTION.



NEW

OLD BEAR® PRUNING KNIFES - With razor sharp curved blades, beveled on both sides. Old Bear pruning knives are the ideal tool for a plethora of grafting, harvesting, and pruning tasks. The curved, hook style blade works particularly well for preparing stocks for grafting. Making a cleaner cut than secateurs, cuts made by grafting knives are cleaner, heal faster and more complete. Made for everyday use in gardens, orchards, vineyards. Old Bear knives are characterized by simple, ergonomic shapes and the highest quality knife making materials. These tried and true knives feature an American walnut wood handle and a one of a kind, patented brass locking safety ring. Locking the blade in the open or closed position for safe use and storage. The blade is made of a hardened AISI 420 steel - HRC 54/56, offering excellent sharpness and edge retention. Each blade is stone sharpened by skilled and qualified craftsman' hands. Available in 3-1/8" and 3-7/8" blade lengths. Made in Italy.

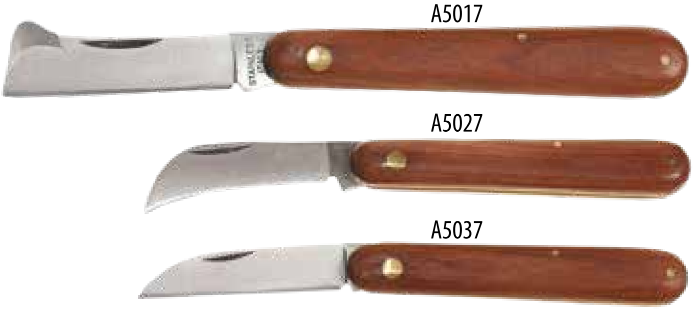
AE9717	3-1/8" Blade	**$31.30**	**3+ $30.39**	**6+ $29.82**
AE9721	3-7/8" Blade	**$37.17**	**3+ $36.13**	**6+ $35.48**

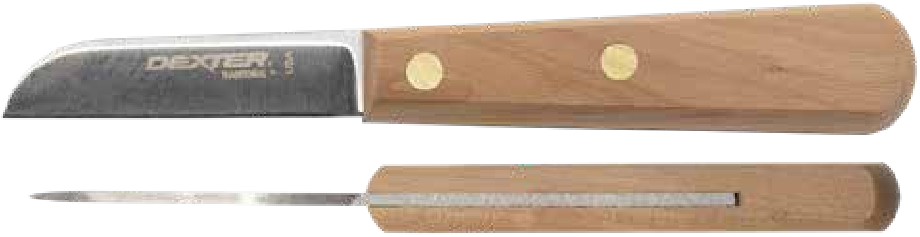
LIFETIME WARRANTY

LEONARD PRUNING, BUDDING AND GRAFTING KNIVES

Crafted from Sandvik steel, heat-treated to ensure hardness and edge durability. Spring design slows the rate of blade closure for added safety. Handles are smooth finished Rosewood with brass linings. Budding/Grafting: Blade is 2-1/4" long. Ship wt .5 lb. **Lifetime Warranty.**

Item	Description	Handle	Price	3+	6+
A5017	Budding/Grafting	4-1/8"	**$35.71**	**$34.60**	**$33.90**
A5027	Pruning	2-1/4"	**$32.30**	**$31.81**	**$31.50**
A5037	Grafting	2-1/2"	**$26.64**	**$26.26**	**$26.03**



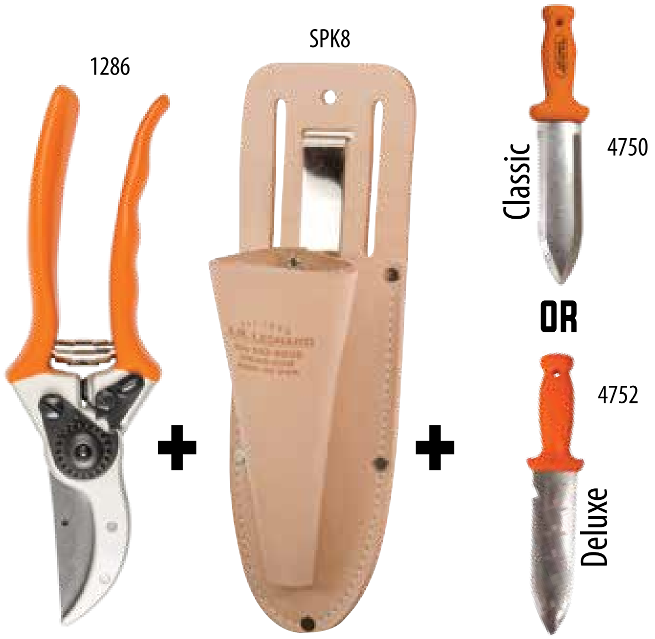


DEXTER FIXED BLADE GRAFTING KNIFE

Heavy duty 3" carbon steel blade, beechwood oval handle. Blade is beveled on both sides to aid in grafting and dividing. 7-3/4" overall length. Ship wt .5 lb. **Made in the USA.**

8AML	**$29.66**	**3+ $28.71**	**6+ $28.12**

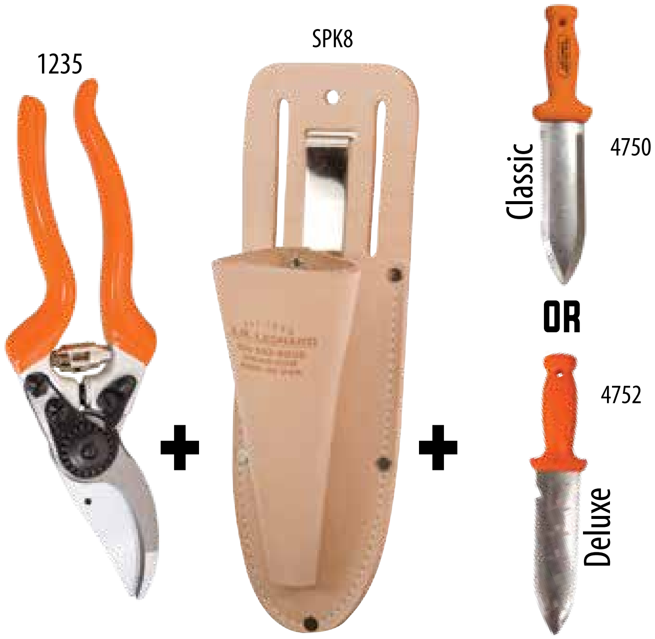
SHEATH AND TOOL COMBOS


1286
SPK8
Classic
4750
OR
4752
Deluxe
+
+

LEONARD SOIL KNIFE, PRUNER, AND SHEATH COMBO

Get our **SPK8** fully equipped with our **1286** bypass pruners and your choice of soil knife.

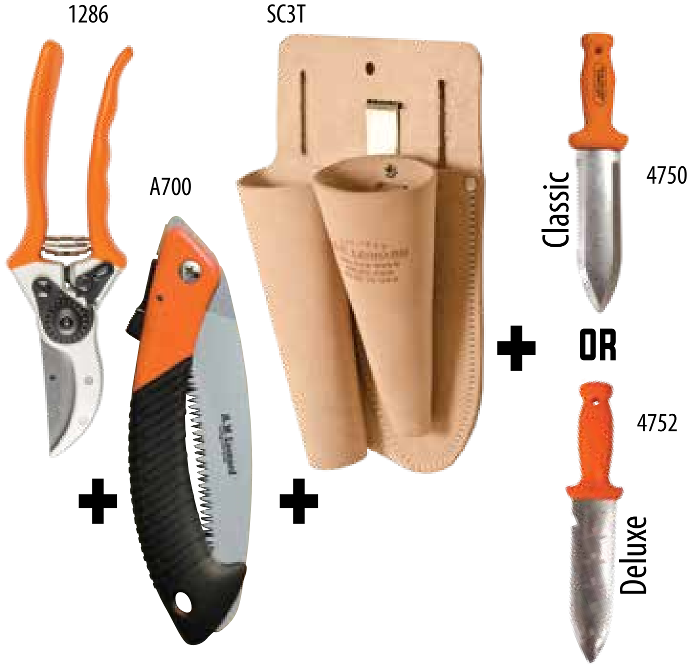
Item	Description	Price	3+	6+
PK1C	w/Classic Soil Knife	**$81.39**	**$78.95**	**$77.43**
PKCOM	w/Deluxe Soil Knife	**$81.15**	**$78.71**	**$77.18**
SPK8	Sheath Only	**$31.45**	**$30.57**	**$30.02**


1235
SPK8
Classic
4750
OR
4752
Deluxe
+
+

LEONARD SOIL KNIFE, ERGONOMIC PRUNER, AND SHEATH COMBO

Get our **SPK8** fully equipped with our **1235** ergonomic bypass pruners and your choice of soil knife.

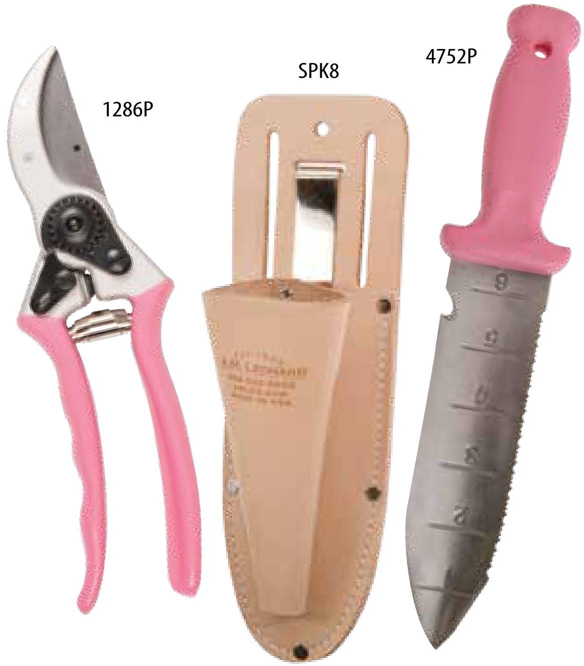
Item	Description	Price	3+	6+
PK4C	w/Classic Soil Knife	**$82.73**	**$80.08**	**$78.43**
PKCOM2	w/Deluxe Soil Knife	**$83.15**	**$80.67**	**$79.12**
SPK8	Sheath Only	**$31.45**	**$30.57**	**$30.02**


1286
SC3T
A700
Classic
4750
OR
4752
Deluxe
+
+
+

LEONARD SOIL KNIFE, PRUNER, FOLDING SAW, AND SHEATH COMBO

Comes complete with **SC3T** sheath, **A700** 7" folding saw, **1286** bypass pruners and your choice of soil knife.

Item	Description	Price	3+	6+
PK3C	w/Classic Soil Knife	**$117.89**	**$114.35**	**$112.14**
PKSCOM	w/Deluxe Soil Knife	**$120.32**	**$116.81**	**$114.61**
SC3T	Sheath Only	**$42.76**	**$41.96**	**$41.45**


1286P
SPK8
4752P

LEONARD SHEATH, PINK SOIL KNIFE, AND PINK PRUNER COMBO

Get our **SPK8** fully equipped with our **4752P** pink soil knife and **1286P** pink bypass pruners!

PK2C $71.41 3+ $69.56 6+ $68.40

https://youtu.be/dDIbBZtEJ2w

SUPPORT A GREAT CAUSE

HELP US IN THE FIGHT AGAINST CANCER

When you purchase our new Pink Leonard Deluxe Soil Knife, a portion of the proceeds will be donated to the American Cancer Society to help fund cancer research and education. Ship wt .5 lb.

4752P	**$24.14**	**3+ $23.50**	**6+ $23.09**

Pink knife & sheath combo

4752PCOM	**$36.82**	**3+ $35.66**	**6+ $34.93**

https://youtu.be/PT5Ls53Eaak

LEONARD STAINLESS STEEL SOIL TOOL

Our Hybrid Soil Tool's blade is tapered with a flat spading tip that cuts easily into soil. Use to create small planting holes or dig deep to remove weeds. The serrated cutting edge cuts creeping grasses for defined landscape edges and is capable of dividing perennials due to the stout, 7" blade length. Added blade depth toward the handle allows for shallow scooping of materials. The 1-1/4" diameter handle measures 6" in length, enough room for a second hand to tackle tough tasks. Designed with curved handle for multiple hand positions and increased comfort. Knuckle guard incorporated into handle adds protection when using close to other objects or surfaces. 13" overall length. Heat treated stainless steel blade. Ship wt .3 lb. **Lifetime Warranty.**

4754	**$24.63**	**3+ $23.95**	**6+ $23.52**

THE DELUXE SOIL KNIFE

LEONARD DELUXE SOIL KNIFE

Manufactured from the highest quality rust-resistant stainless steel. The blade is engineered to withstand over 300 lb. of pressure, for a lifetime of use. The 6" stainless steel blade has a tapered slicing edge, plus a sharp, deeply serrated side made for fast cutting. Redesigned one-piece molded composite handle offers a more rounded grip and molded thumb rest. Blade is 1-3/4" wide, 11-3/4" overall length. **Lifetime Warranty.** Ship wt .5 lb.

Knife & sheath combo

4752COM	**$36.82**
3+ $36.12	**6+ $35.68**

Knife only

4752	**$24.14**
3+ $23.50	**6+ $23.09**

Sheath only

4750S	**$16.43**
3+ $16.07	**6+ $15.85**

4750S

Dual Serrations

THE ORIGINAL CLASSIC SOIL KNIFE

LEONARD CLASSIC SOIL KNIFE

Our classic soil knife design made by one of the world's finest manufacturers of quality Swedish steel tools. 3-in-1 landscaping tool! It digs, cuts and saws. The 6" stainless steel blade has a tapered slicing edge with mild serrations on one side. One piece molded composite handle is designed with a wide guard. Blade is 1-3/4" wide and 11-3/4" overall tool length. Ship wt. .5 lb. **Lifetime Warranty.**

4750COM	Knife & sheath combo	
$35.29	**3+ $34.48**	**6+ $33.97**
4750	Knife only	
$23.54	**3+ $22.79**	**6+ $22.32**
4750S	Sheath only	
$16.43	**3+ $16.07**	**6+ $15.85**

4750S

Mild Serrations

HEAVY-DUTY, HOLDS UP TO THE TOUGHEST CLEANUP JOBS!

LAWN BAGG TARP

If you can humanly lift it, the Lawn Bagg Tarp can hold it. Strong, puncture-resistant 8 oz woven polypropylene material is coated with polyethylene. Will not tear or shred like traditional tarps. Handles are sewn in each of the four corners making hauling easy for one or two person jobs. Water-resistant and mildew-proof, the Lawn Tarp will not rot. Ship wt 7 lb.

Item	Size	Bottom	Price	5+	10+
LT810	8′ x 10′	Single Layer	**$50.59**	**$49.34**	**$48.56**
LT810DB	8′ x 10′	Double Layer	**$57.49**	**$56.39**	**$55.70**
LT11001	10′ x 12′	Single Layer	**$68.28**	**$66.78**	**$65.85**
LT1012DB	10′ x 12′	Double Layer	**$74.84**	**$73.52**	**$72.69**

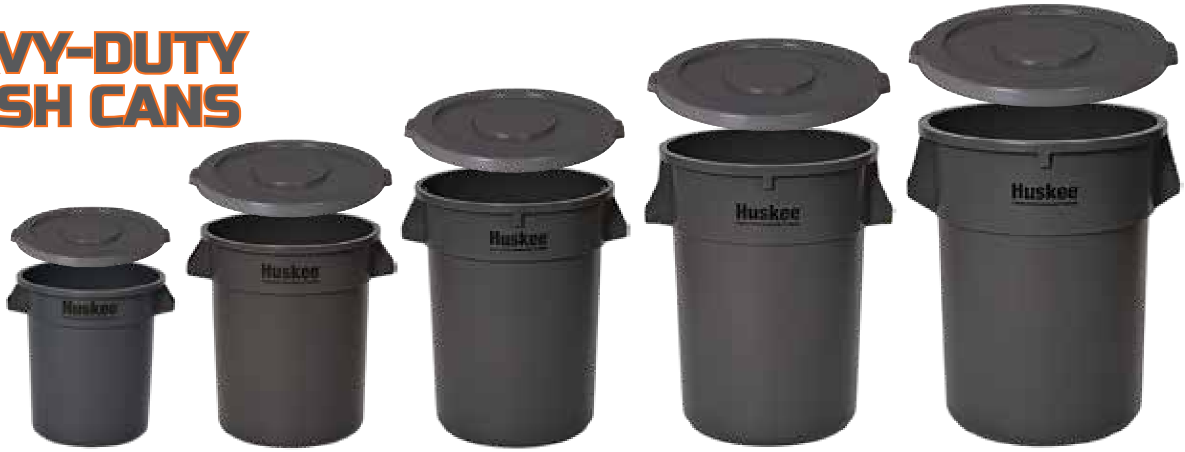
PREMIUM FOLDABLE, PUNCTURE-RESISTANT LAWN BAGGS

For those BIG cleanup jobs! Draggable yet puncture-resistant, these free-standing polypropylene bags fold compactly after the job is done. Strong, safe and easy to use for collection, storage and hauling of yard waste such as grass, leaves, branches, weeds, etc. These lightweight woven polypropylene bags are constructed from a puncture-resistant material that will not tear and is ideal for collecting all kinds of debris. Plus, they're easy to use. Lawn Baggs are ideal for all your lawn maintenance activities especially grass clipping collection and leaf disposal.

Item	Gallons	Dia.	Height	Ship wt	Price	3+	6+
LB2	15	15″	17″	.5 lb	**$27.83**	**$27.21**	**$26.83**
LB5	37	22″	22″	2 lb	**$31.46**	**$30.93**	**$30.59**
LB10	75	24″	30″	4 lb	**$41.37**	**$40.54**	**$40.02**
LB8	135	30″	35″	4 lb	**$47.96**	**$47.10**	**$46.56**
LB22DB	135	32-1/2″	35″	4 lb	**$54.74**	**$53.63**	**$52.93**
LB27	202	34″	40″	4 lb	**$56.58**	**$55.27**	**$54.46**

Note: LB2, LB5 & LB22DB feature a double-layered bottom for extra durability.

HEAVY-DUTY TRASH CANS



HUSKEE® COMMERCIAL GRADE CONTAINERS

Huskee® Commercial Grade Containers set the industry standard. Molded with seamless construction, Huskee® Containers are a strong, long-lasting receptacle that can be used anywhere. Simply use Huskee® Containers as a trash can, or use to transfer and store materials such as mulch, straws, compost, and so much more! Always thinking on their feet, landscapers often utilize 20 gallon and 32 gallon containers to transfer mulch into hard to reach landscape beds. These high impact containers are crush resistant and cold impact resistant. Equipped with reinforced, base, rim and handles. These containers are safe for use in food prep to foundries, and tough enough to withstand daily use on the jobsite. From refuse to bio-hazard waste, Huskee® keeps on working. Lids and dolly are sold separately. 1 Year warranty. Visit amleo.com to see item dimensions and other specs. **Made in the USA!**

Item	Description	Ship wt	Price	5+	10+
1001H	10 Gallon Can	3 lb	**$28.90**	**$28.17**	**$27.71**
1001L	10 Gallon Lid	1 lb	**$14.70**	**$14.30**	**$14.04**
2000H	20 Gallon Can	6.45 lb	**$39.89**	**$38.89**	**$38.26**
2001L	20 Gallon Lid	1.7 lb	**$17.31**	**$16.86**	**$16.57**
3200H	32 Gallon Can	9.6 lb	**$55.83**	**$54.32**	**$53.38**
3201L	32 Gallon Lid	2.3 lb	**$19.66**	**$19.27**	**$19.02**
4400H	44 Gallon Can	12.6 lb	**$79.73**	**$77.67**	**$76.38**
4401L	44 Gallon Lid	2.82 lb	**$27.62**	**$26.97**	**$26.57**
5500H	55 Gallon Can	17.46 lb	**$119.28**	**$116.58**	**$114.90**
5501L	55 Gallon Lid	4.26 lb	**$36.66**	**$35.57**	**$34.88**

NEW TUFF FLEX TUBS

NEW

TUFF FLEX TUBS

Tuff Flex Tubs are made to withstand the daily use and abuse of landscaping and gardening tasks. Virtually indestructible, with a endless list of green industry applications. Ideal for hauling, clean up, mixing, pouring, storing, organizing and much more. Each tub is equipped with durable, flexible handles that allow for one and two-handed carrying. Tuff Flex Tubs are strong enough to carry a load of bricks, yet made flexible and pliable to pour liquids. Made of a tough, UV-resistant low density polyethylene, that will not rot, crack or fade. Available in a wide variety of sizes and colors.

Item	Gallons	Dia.	Height	Color	Price	3+	6+
F4-BK	4	15″	8″	Black	**$7.55**	**$7.48**	**$7.43**
F4-GR	4	15″	8″	Green	**$7.55**	**$7.48**	**$7.43**
S4-BK	4	15-1/2″	6-1/2″	Black	**$9.76**	**$9.67**	**$9.61**
S4-SBL	4	15-1/2″	6-1/2″	Blue	**$9.76**	**$9.67**	**$9.61**
F7-BK	7	15″	11-1/2″	Black	**$12.59**	**$12.32**	**$12.16**
F7-OR	7	15″	11-1/2″	Orange	**$12.59**	**$12.32**	**$12.16**
F12-BK	12	19″	15-1/2″	Black	**$14.86**	**$14.66**	**$14.53**
F12-YL	12	19″	15-1/2″	Yellow	**$14.86**	**$14.66**	**$14.53**
F16-BK	16	22″	16-1/2″	Black	**$24.27**	**$23.85**	**$23.59**
F16-RD	16	22″	16-1/2″	Red	**$24.27**	**$23.85**	**$23.59**
FSC5-BK	5	15″	9-1/8″	Black	**$9.39**	**$9.30**	**$9.25**

HANDY TO HAVE AROUND BAGS AND BUCKETS

NEW

LAWN BAGG™ 0.75 CU FT (6 GALLON) MOWER BAG

Another convenient cleanup solution by Lawn Bagg™. The durable and versatile 0.75 cubic foot (6 gallon) Mower Bag rides along to collect any trash and debris found while mowing. This woven polypropylene Mower Bag measures 12" in diameter and 12" deep yet folds flat for easy storage. Heavy duty stitched straps offer creative attachment options. Simply hang to or wrap the straps around any brackets our mounts on ground maintenance equipment for ideal placement. The Mower Bag is also perfect for landscape cleanup, garden weeding, and harvesting tasks. Ship wt 0.4 lb.

MOWER-BAGG
$14.42 3+ $14.13 6+ $13.95

Ultra handy built-in SureGrip bottom handle is great for pouring and control.

LEONARD SUREGRIP 5 GALLON BUCKET

LEONARD SUREGRIP 5 GALLON PAIL

Leonard's SureGrip 5 Gallon Pail has a SureGrip handle built into the bottom of the pail! This game-changing convenience feature greatly improves handling, efficiency, and safety. The innovative built in handle come with no trade-off's and will stack like a traditional bucket. The one-piece molded design is constructed from 90mil HDPE. This commercial grade bucket is UN/DOT Class 2 Certified. Ship wt 2.3 lb. **Made in the USA!**

AM5GP $11.96 3+ $11.63 6+ $11.42

TARPS AND TOTES

ALL PURPOSE UTILITY COVER, TEAR RESISTANT, WEATHER RESISTANT.

TUFF TARPS

Our most popular tough, all-purpose utility cover. 4.5 oz polyethylene construction with double stitched hems and treated thread for toughness, tear-resistance. Brass plated steel grommets every 3′ with rope sewn into hem. Heavy 9-10 mil thickness. Used for truck or ground cover, storage and weather protection.

Item	Size	Ship wt	Price	5+	10+
PT68	6′ x 8′	2 lb	**$16.86**	**$16.32**	**$15.98**
PT810	8′ x 10′	3 lb	**$21.29**	**$20.61**	**$20.18**
PT912	9′ x 12′	4 lb	**$28.19**	**$27.29**	**$26.72**
PT124	12′ x 14′	5 lb	**$46.62**	**$45.13**	**$44.20**
PT162	16′ x 20′	10 lb	**$72.27**	**$70.31**	**$69.08**
PT2436	24′ x 36′	27 lb	**$125.03**	**$122.68**	**$121.22**
PT2545	25′ x 45′	34 lb	**$161.57**	**$158.61**	**$156.77**
PT3030	30′ x 30′	28 lb	**$127.78**	**$124.48**	**$122.42**
PT3040	30′ x 40′	37 lb	**$167.53**	**$164.76**	**$163.03**
PT3050	30′ x 50′	47 lb	**$207.45**	**$202.40**	**$199.24**
PT3060	30′ x 60′	57 lb	**$247.94**	**$244.06**	**$241.63**

SUPER BLUE
10x12 TARP
Polytuf
SUPER BLUE
8x10 TARP

BLUE TUFF TARP

An economical solution when price counts. An all-purpose water-proof 4-6 mil cover for palletized product, machinery, construction materials, roof damage and more. 2.25 oz. per sq. yard woven polyethylene, 8 x 8 strands per sq. inch, UV-resistant top and bottom coating. Heat sealed hem with poly-rope reinforcing. Rustproof grommets every 3′. Call your account manager for larger sizes. Ship wt 2.5 lb.

PT810B	8′ x 10′	**$7.45**	**5+ $7.30**	**10+ $7.21**
PT1012B	10′ x 12′	**$14.35**	**5+ $13.89**	**10+ $13.60**

ECONOMICAL DEBRIS TOTE

Use this durable, woven poly yard debris tote to hold up to 1 cu. yd. of yard waste — leaves, tree branches, grass clippings, peat moss, soil, mulch and more. It will also hold up to 1 ton of materials like brick, pavers, stone, sand, gravel and more. Durable solid bottom with four corner handles for easier lifting and transport and folds for easy storage. 35″W x 38″H. Ship wt 4 lb.

URB1	**$24.75**	**3+ $23.96**	**6+ $23.46**

ECONOMICAL DEBRIS BAG

Durable, woven poly utility bag with 2 cu. ft. capacity. Use for cut flowers, garden produce, yard waste, garden tools, leaves, tree branches, grass clippings, peat moss, soil, mulch and more. Durable solid bottom with two top and two side handles for easier lifting and transport and folds for easy storage. 20″W x 18″H. Ship wt 1 lb.

URB2	**$11.35**	**3+ $10.99**	**6+ $10.76**

TARPS AND FASTENERS

ALLOWS AIR AND MOISTURE CIRCULATION. WILL NOT ROT OR MILDEW

BULLDOG TARPS

Bulldog tough construction for long life. Made from UV-treated PVC coated polyester material with #2 grommets every 2'. Protects plants during transportation while allowing air and moisture circulation. Will not rot or mildew. Colors may vary. To keep costs lower, these are made from remnants, so there are no color choices.

Item	Size	Ship wt	Price	5+	10+
68BD	6′ x 8′	4 lb	**$39.91**	**$38.63**	**$37.83**
810BD	8′ x 10′	7 lb	**$51.10**	**$50.18**	**$49.61**
012BD	10′ x 12′	9 lb	**$78.69**	**$77.15**	**$76.19**
018BD	10′ x 18′	16 lb	**$117.27**	**$115.02**	**$113.62**
220BD	12′ x 20′	18 lb	**$153.87**	**$151.08**	**$149.33**
225BD	12′ x 25′	22 lb	**$190.11**	**$186.80**	**$184.72**
824BD	18′ x 24′	29 lb	**$280.27**	**$274.98**	**$271.67**
845BD	18′ x 45′	53 lb	**$539.24**	**$528.21**	**$521.32**

ALLOWS AIR AND MOISTURE CIRCULATION.

POLY BURLAP TARPS

Constructed from woven polypropylene material with #4 grommets every 3'. Seams double stitched with treated thread. Fabric protects plant material during transport while allowing air and moisture circulation. Will not mildew. Color may vary.

Item	Size	Ship wt	Price	5+	10+
812PP	12′ x 8′	3 lb	**$44.66**	**$43.23**	**$42.34**
1012PP	12′ x 10′	5 lb	**$53.93**	**$52.20**	**$51.13**
1214PP	12.5′ x 14′	5 lb	**$64.72**	**$62.65**	**$61.35**
1218PP	12.5′ x 18′	6 lb	**$72.88**	**$70.78**	**$69.47**
1220PP	12.5′ x 20′	8 lb	**$79.66**	**$77.49**	**$76.13**
1224PP	12.5′ x 24′	10 lb	**$94.17**	**$91.67**	**$90.11**

LEONARD COOLGRIP FOAM NITRILE WORK GLOVES

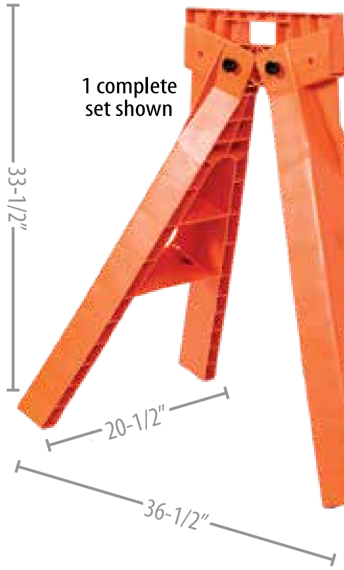
A.M. Leonard's CoolGrip™ Foam Nitrile Work Gloves are light in weight due to a cool wearing 15 gauge nylon glove liner. In addition the glove coating is a micro foam nitrile which provides an excellent grip with good dexterity and is actually breathable as well, minimizing heat build up. Knit wrist. Size: SM - XL. Ship wt 1.5 oz. **More gloves on pages 196-198.**

N200-size $6.89 8+ $6.67
16+ $6.53

STRETCH RUBBER FASTENERS

Provide the quickest and easiest way to secure tarps, lightweight equipment and bulky items. Complete with hooks. Choose from 4 sizes. Ship wt .5 lb.

Item	Length	Max Safe Stretch	Price	5+	10+
1015	9″	Up to 15″	**$0.92**	**$0.91**	**$0.90**
1529	15″	Up to 29″	**$1.99**	**$1.93**	**$1.89**
2134	21″	Up to 34″	**$3.49**	**$3.38**	**$3.31**
3155	31″	Up to 55″	**$3.53**	**$3.42**	**$3.35**



LEONARD HITCH-N-HORSE

2 complete sets shown

The Leonard Hitch-N-Horse is a construction grade saw horse designed to adapt to multiple project needs. Made of a high impact poly construction that is extremely weather resistant, will never rust. Each individual set supports up to 500 lb, and 1,000 lb per pair! The unique, 3 piece design features a bridge that connects the legs of the saw horse. When using the bridge, the legs fold flat for easy storage. The bridge measures 14-5/8" wide across the top and has a cut out in the side to accept a standard 2x4. Two horses can be connected by any length 2x4 to create a work support to lean tools and materials. This same concept can be used as a safety partition or roadway barricade. We produced the Hitch-N-Horse in a high visibility, safety orange. So it will stand out on the job day and night!

This versatile and durable work support not only doubles as a job site and road safety barricade, each leg features a 3" diameter cut out to help support a variety of materials like pipe and rebar for cutting. It can also be used to create a heavy-duty work stand or table. The top bridge can be removed and replaced with a 2x4 or 2x6. Simply use a 1/2" drill bit to place your pin holes at the desired length. 2 sets can be used to make a work table and utilized as a saw stand, storage area, surface to review job site prints, organize materials, assemble parts, and more! 1 set includes: 2 legs, 1 bridge, and 4 pins. **Lifetime Warranty. Made in the USA!** Ship wt 11.6 lb.

A35072 $74.88 3+ $72.78 6+ $71.47

LIFETIME WARRANTY

NEW SHOPCLIP COMPOSITE STORAGE CLIPS PACKAGE OF 6

The same heavy duty composite tool clips now available in a screw-in, wall mountable version. Quickly and easily organize your workshop or tool shed. These UV-treated tool clips fit nearly all professional-grade long-handled and D-grip tools. Use to hang or store any object with a diameter of 7/8 to 1-5/8 inches. These simple, low profile clips will help make the most out of any storage space. Sold in a package of 6 clips with two inner clips for smaller diameter handles. This versatile clip includes an insert for smaller diameter handles. Multi-purpose Philips head fasteners are provided . Ship wt. 0.8lb.

SHOPCLIP $25.95
3+ $25.20 6+ $24.73

MAGNETIC LANDSCAPERS' CLIP

The perfect storage and organization device. Designed with contractors in mind! A UV-treated composite material makes the Magnetic Landscapers' Clip super strong. It contains a powerful 80 lb pull force neodymium magnet for sturdy mounting on steel surfaces. This versatile clip includes an insert for smaller diameter handles. It fits nearly all professional-grade long-handled tools with a handle diameter of 7/8" to 1-5/8". Use these Magnetic Landscapers' Clips to make the most of your storage space. Use them to keep your truck organized. Or use them to mount your tools to your machine, keeping them both safe and accessible. *Sold in pairs. Ship wt .5 lb. **Made in the USA.**

LANDCLIP $25.71
3+ $24.98 6+ $24.53

MAGNETIC GREASE GUN CLIPS

These Magnetic Grease Gun Clips feature a UV-treated composite construction. Each clip contains two 65 lb pull force magnets. They hold nearly any item that measures 2-1/4" to 3-3/4" in diameter. Sold in pairs. A pair of these clips securely fastens a grease gun to any magnetic surface. Use them to attach your grease gun to the cab of your vehicle or machinery. The heavy-duty composite material makes these clips durable and rigid. Although designed for grease guns, these magnetic clips have hundreds of uses. Do not use to secure items overhead. Ship wt .5 lb. **Made in the USA.**

GREASECLIP $29.09
3+ $28.37 6+ $27.92

LIFTERS AND SLINGS

NEW

THE SAFER PAVER™ MINI

Built to handle the same pavers and slabs as the Original Safer Paver. The Mini has proven extremely effective for handling retaining wall block, cement masonry block, and more! The lifting tongs adjust from 6-1/4" to 16-1/2" wide. Simply adjust to the appropriate width and place over the block. This lift driven clamp uses gravity to firmly grab onto SRW and CMU block when lifted. Let the Safer Paver Mini clamp onto the block. Single-handedly carry heavy block while saving your hands from fatigue! This simple and reliable tool is guaranteed to save time and energy on patio and wall installations. 1-Year Warranty. **Made in the USA.** Ship wt 6 lb.

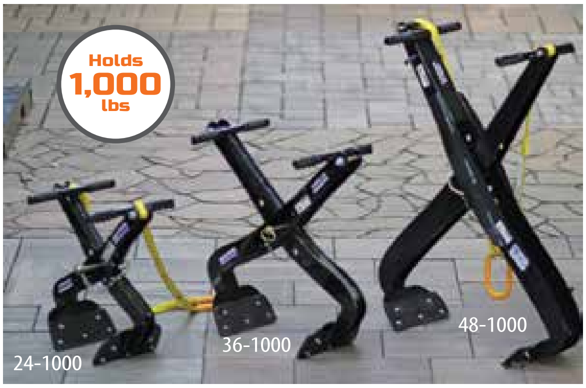
SP-MINI **$149.52** **3+ $144.74** **6+ $141.74**

NEW

THE ORIGINAL SAFER PAVER™

Move and place heavy paving slabs with ease. Fully adjustable, the lifting tongs adjust from 6-1/4" to 16-1/2" wide. The Safer pave can be used to move and place a variety of common pavers, tiles, and more! The handle can also be set from 26" up to 36" long. Allowing users of different heights to work in a comfortable standing position. When placed over a paver or slab this lift driven clamp uses gravity to firmly grab onto pavers when lifted. This simple and reliable tool is guaranteed to save time and energy on paver installations. 1-Year Warranty. **Made in the USA.** Ship wt 8 lb.

SP1-LH **$159.18** **3+ $154.37** **6+ $151.36**



CMP STEP LIFTERS

Let CMP do the heavy lifting! CMP Attachments and Rock Hard Landscaping make these lift-driven welded clamps in 3 adjustable sizes. They easily attach to your excavator or skid loader via a clevis. The clamping surfaces feature rubber pads. These pads provide additional grip and protect the material underneath. Each lift also includes a heavy-duty attachment strap. 1,000 lb capacity. **Made in the USA.**

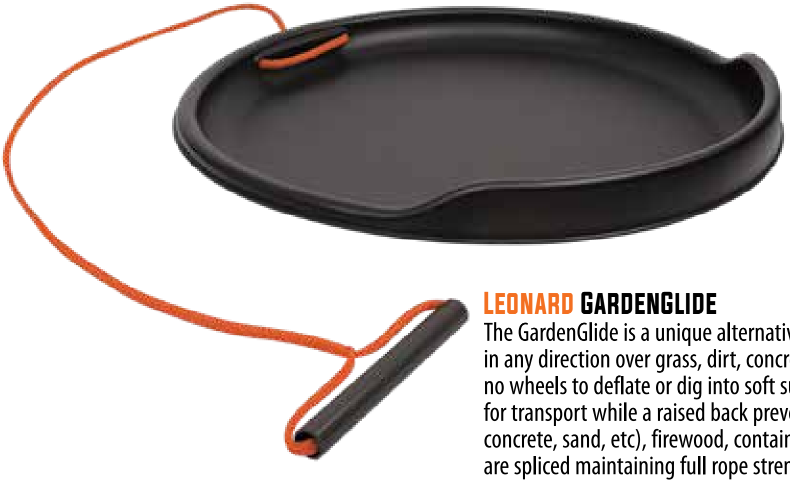
Item	Width Range	Ship wt	Price
24-1000	13" to 24"	34 lb	**$796.34**
36-1000	14" to 36"	44 lb	**$997.83**
48-1000	35" to 56"	68 lb	**$1,157.86**

SPANSET® POWERLIFT™ WEB SLINGS

Tackle harsh lifting jobs with safety and confidence! SpanSet® PowerLift™ Web Slings are made withstand the most brutal lifting tasks and work environments. High Capacity (Class 7 -Yellow) web slings are designed to handle repeated lifting rough, sharp, and abrasive materials such as limestone boulders, natural stone slabs and much more. Rugged two-ply nylon webbing is precisely stitched with 12" flat eyes at each end. Versatile flat eye straps are ideal for use in basket hitch, choker hitch, and vertical hitch. Standard 2" wide lifting straps offer a Vertical Rated WLL capacity of 6,400 lb. Available in 5 popular lengths. **Made in the USA!**

Item	Length	Ship wt	Price	3+	6+
EE2702X6	6′	1.8 lb	**$42.59**	**$41.92**	**$41.51**
EE2702X8	8′	2.2 lb	**$50.83**	**$50.07**	**$49.59**
EE2702X10	10′	2.7 lb	**$59.56**	**$58.66**	**$58.09**
EE2702X12	12′	3.1 lb	**$68.30**	**$67.26**	**$66.61**
EE2702X16	16′	4.2 lb	**$85.28**	**$84.01**	**$83.21**

MORE WORK DONE, LESS EFFORT



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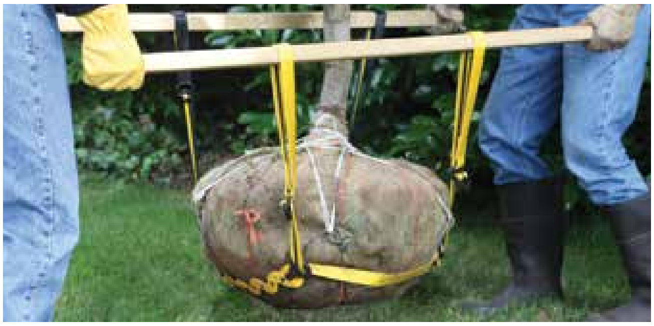
Start at 0:03

LEONARD GARDENGLIDE

The GardenGlide is a unique alternative to traditional carts and barrows. Its round shape glides smoothly in any direction over grass, dirt, concrete, sand and more without marring surfaces. It cannot tip, and has no wheels to deflate or dig into soft surfaces. With a low design, it makes it easy to roll on heavy objects for transport while a raised back prevents materials from falling off. Transport bagged goods (soil, mulch, concrete, sand, etc), firewood, container plants, paving stones etc. Rope connection at glide and handle are spliced maintaining full rope strength. The GardenGlide is lightweight, economical, tough, weather proof and stores readily. Made of durable HDPE material. Overall diameter is 28-1/2". 200 lb working capacity. Ship wt 4 lb. **Made in the USA.**

AG1 $64.47 3+ $62.41 6+ $61.12



PROLIFTER

An ergonomically designed tool that allows 2 to 4 people to safely lift and move heavy and awkward objects like boulders, rootballs and tree boxes up to 400 lb. Expands to 9' in circumference. Specially designed buckles eliminate the need to go under or over the top of objects. Extended poles not included. Ship wt 7 lb.

PROLIFT $77.61
3+ $76.08 6+ $75.12

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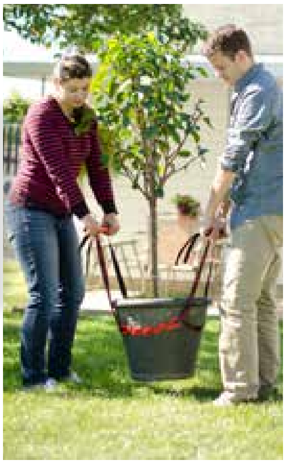
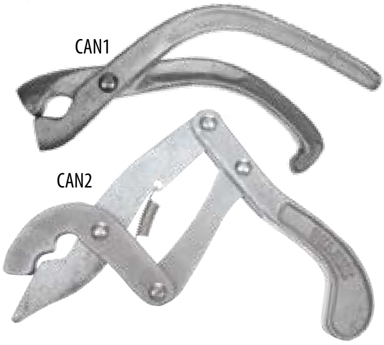
POTLIFTER™ HEAVY LIFTING SLING



Let this sling share the burden! The PotLifter™ Heavy Lifting Sling holds items from 9" to 26" in diameter or up to 7' in circumference. PotLifter™ provides an easy, back-saving way to move heavy or awkward items. Use it to relocate large flower pots, tree root balls, landscaping stones etc. The manufacturer covers this product with a lifetime warranty! Ship wt 1.5 lb.

PLIFT $37.64 3+ $36.58 6+ $35.92

INCREASE PRODUCTIVITY, CARRY MULTIPLE CONTAINERS AT ONCE!



DELUXE CAN HANDLER

Increase productivity for plant moving and loading operations by handling multiple containers. Rustproof cast aluminum. Large size will accommodate multiple 3-gallon containers; larger pots require one on each side of container. Ship wt .5 lb. **Made in the USA.**

Small for 1-gallon pots
CAN1 $29.71 3+ $28.97 6+ $28.51

Large for 3 – 25 gallon pots
CAN2 $69.70 3+ $68.26 6+ $67.36

HEAVY LIFTERS FOR TOUGH JOBS

SLING BAG™

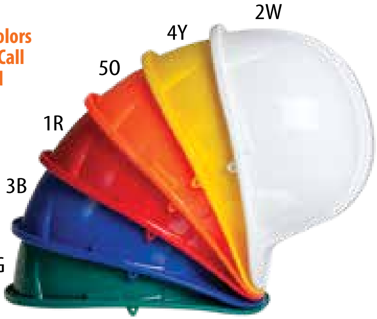
Holds up to 3,000 lb! Consider this a "Mega-Tarp" for every heavy job. Sturdy woven resin tarp is amazingly tough: handles loads up to 3,000 lb. Four sewn straps on the octagon tarp give you the option of hand carrying, dragging material behind your tractor, or lifting loads with a fork. Use it to keep dirt or trimmings in check. Lift a balled tree in it. Whatever your needs, Sling Bag can handle it! 7'10" x 7'10" octagon. 3,000 lb capacity. Ship wt 6 lb.

SB710 $117.32 3+ $114.00 6+ $111.93

Sturdy woven resin material
Holds
3,000
lbs

Other suspension options & colors available in quantities of 12. Call 1-888-558-8665 for quote and lead time.

Ratchet Suspension



LIGHTWEIGHT HARD HAT

Contoured dome maximizes protection while providing a sleek, low profile. Meets ANSI Z89.1 Type 1, Class C, G and E requirements. Comfortable 4-point nylon Ratchet Suspension. Lightweight rugged polyethylene shell offers excellent protection at only 13.5 oz. Universal slots for hearing and visor accessories. Soft brow pad is easily replaced and/or washable. Available in colors: Red (1R), White (2W), Blue (3B), Yellow (4Y), Orange (50), and Green (7G). Ship wt .5 lb

SEE PAGE 156 FOR MORE SAFETY EQUIPMENT.

CH4R-color $8.40 3+ $8.22 6+ $8.11

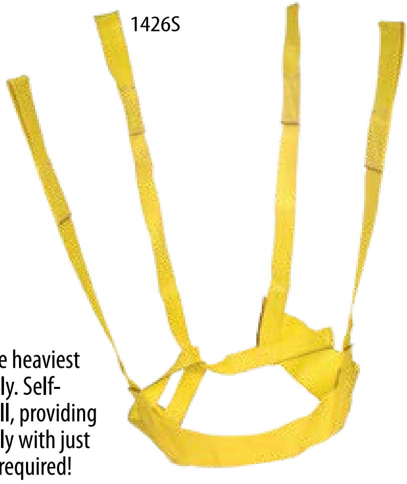
SpanSet twintex

ROUND SLING

Constructed with a core of endless polyester fibers in a tough, double-wall woven polyester cover — for greater capacity, longer wear. Soft, pliable finish conforms to any shape load; choker hitch won't lock up. Use for an attachment point in rigging situations. Compatible with most carabiners. Load capacity 8,000 lb. Custom slings available. Ship wt 3 lb. **Made in the USA.**

Item	Size	Price	3+	6+
E904	4' round	**$25.12**	–	–
E906	6' round	**$50.13**	**$48.59**	**$47.63**
E908	8' round	**$61.37**	**$59.66**	**$58.59**

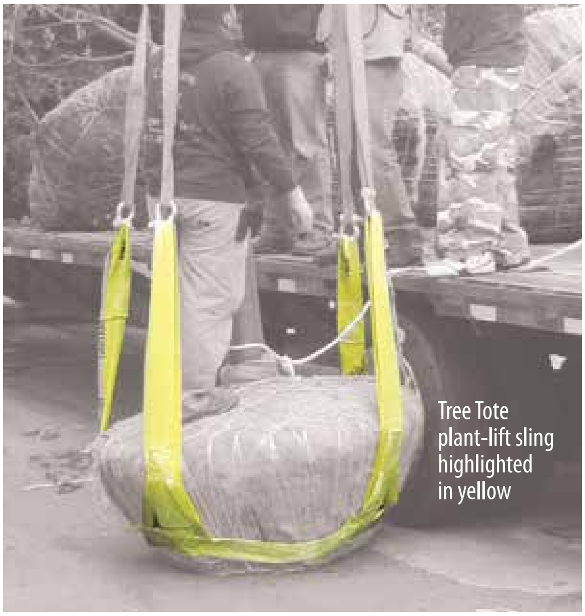
Holds
8,000
lbs



TREE TOTE PLANT LIFT SLING

The safe, easy, convenient way to move the heaviest plant materials — by hand or mechanically. Self-adjusting nylon sling wraps around the ball, providing four handles for lifting. Lifts rootball quickly with just a pull of the handles. No buckles or hooks required!

Item	Ball size	Ship wt	Price	3+	6+
1426S	14-26"	3 lb	**$150.22**	**$147.37**	**$145.59**
2036S	20-36"	4 lb	**$197.08**	**$193.33**	**$190.99**
4054S	40-54"	5 lb	**$234.74**	**$230.08**	**$227.17**
5466S	54-66"	14 lb	**$503.04**	**$493.77**	**$487.97**



Tree Tote plant-lift sling highlighted in yellow

HAND-WELDED FOR MAXIMUM CAPACITY AND TOUGHNESS

LEONARD GP TOUGH TRUCKS

Equipped with an **Extended Lift** to provide more surface area to lift. Handles a wider variety of materials; containerized plants, large landscape stones, bagged mulch and more.

20 SERIES:

- Overall 59" tall x 34" wide
- 15-1/4" x 17-3/4" width lift
- 22" inside width x 19-1/4" deep
- 1000 lb capacity
- 14 ga 1-1/8" steel tubing
- Greaseable fittings
- Ship wt 77 lb

16" PNEUMATIC TIRES

20GP	**$561.11**	**3+ $553.58**
	6+ $548.87	

16" FLAT FREE TIRES

F20GP	**$708.94**	**3+ $696.07**
	6+ $688.03	

22 SERIES:

- Overall 63" tall x 39" wide
- 15-1/4" X 22" all-purpose lift
- 25-1/2" inside width
- 1600 lb capacity
- 12 ga 1-1/4" steel tubing
- Greaseable fittings
- Ship wt 92 lb

16" PNEUMATIC TIRES

22GP	**$593.85**	**3+ $585.91**
	6+ $580.94	

16" FLAT FREE TIRES

F22GP	**$744.49**	**3+ $731.04**
	6+ $722.64	

LEONARD LE TOUGH TRUCKS

Equipped with a **Cradle Lift** to keep the weight of ball and burlap plant material close to the axle housing providing exceptional balance and control.

20 SERIES:

- Overall 59" Tall x 34" wide
- 22" inside wide x 17-1/2" wide cradle
- 1000 lb capacity
- 14 ga 1-1/8" steel tubing
- Greaseable fittings
- Ship wt 72 lb

16" PNEUMATIC TIRES

20LE	**$531.95**	**3+ $524.76**
	6+ $520.26	

16" FLAT FREE TIRES

F20LE	**$654.78**	**3+ $644.25**
	6+ $637.67	

22 SERIES:

- Overall 63" Tall x 39" wide
- 25-1/2" inside width, 21" wide cradle
- 1600 lb capacity
- 12 ga 1-1/4" steel tubing
- Greaseable fittings
- Ship wt 87 lb

16" PNEUMATIC TIRES

22LE	**$556.82**	**3+ $549.26**
	6+ $544.53	

16" FLAT FREE TIRES

F22LE	**$692.46**	**3+ $680.60**
	6+ $673.18	

TECH NOTES:

CART FRAMES MADE IN THE USA

Grips: Durable double dipped vinyl for good control of heavy loads.

Tubes: Double vertical tubes create a rigid frame with all the strength you'll ever need.

Extra Support: 22 Series Tough Trucks feature a taller frame, wider cradle and extra strapping down low to support more weight.

LE Lift Design: Ball and burlap lift design has rounded-off nose to make moving trees quick and easy – positioned for balance and control.

Corrosion Resistance: Premium powder coat finish in our distinct AML orange.

Tires: Full sized 16" tires reduce tracking and are more stable in soft soil.

REPLACEMENT WHEEL FOR 20LE 20GP 22LE AND 22GP

RWLE replacement tire/wheel for 20LE, 20GP, 22LE and 22GP. This is one wheel assembly. This includes the steel hub and pneumatic tire. The inside axle diameter is 1" with a 3" hub width. The tire size is 16 x 6.50-8.

RWLE	**$84.51**

DON'T BE CAUGHT FLAT AT THE WORK SITE – CHOOSE FLAT-FREE TIRES

Solid flat-free polyurethane tires retain the same bounce, feel, load handling and weight of a typical pneumatic tire. But best of all, they will never go flat! Twice as strong as rubber and unaffected by UV rays — these won't dry out or crack!

FF16SB	**$99.99**

EXPAND YOUR BALL CART'S ABILITIES

These attachments have been designed for use with Leonard Ball Carts Only.

STEP 1: UNIVERSAL BRACKET

LEONARD UNIVERSAL BRACKET

Required for using attachments. Transforms our Leonard tough trucks into an adaptable moving machine! Receiver Bracket installs to our Tough Trucks to create a receiver, ready to accept our Leonard Cart Attachments. Heavy wall 2" i.d. square tubing is welded to thick 3/16" mounting plates. Bracket quickly U-Bolts to the cart cross brace and axle housing. Includes one 5/8" bent clevis with hairpin cotter. Gray powder coated finish. Ship wt 15 lb. **Attachments sold separately.**

BCU22 $159.62
3+ $157.14 6+ $155.58

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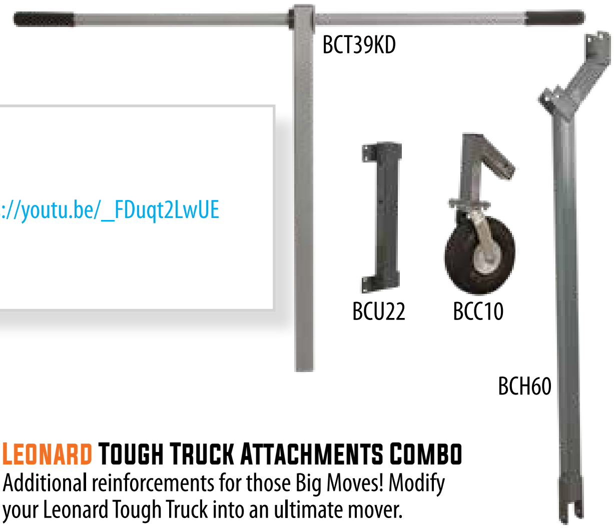

LEONARD TOUGH TRUCK ATTACHMENTS COMBO

Additional reinforcements for those Big Moves! Modify your Leonard Tough Truck into an ultimate mover.

Set includes:

- (1) Universal Bracket #BCU22
- (1) Trailer Hitch Attachment #BCH60
- (1) Caster Mount Attachment #BCC10
- (1) T-Bar Attachment #BCT39KD

BCA4 $629.01 3+ $619.98 6+ $614.34

BUY THE WHOLE SET AND SAVE!

STEP 2: CHOOSE ATTACHMENT

LEONARD TRAILER HITCH ATTACHMENT

Creates an easy-to-manage trailer system that's ready for utility vehicle use with the drop of a pin. It can be a long walk at some worksites, especially moving an 800 lb tree! Problem solved. Hitch attachment connects to Leonard Universal Bracket, then to your utility vehicle or tractor creating a trailer system for heavy hauls. The hitch mount is designed to tip allowing for easy loading and unloading of tree stock. Once loaded, tip cart back and lock into position for transport. Heavy gauge welded 2-1/2" square tubing with 1/4" welded pin tabs. Includes three 5/8" bent clevis pin with hairpin cotter. OFF ROAD, low speed only! Ship wt 35 lb. **Leonard Universal Bracket (#BCU22) required, sold separately.**

BCH60 $199.70 3+ $195.38 6+ $192.68

LEONARD CASTER MOUNT ATTACHMENT

Adds stability for 1-person operation! Three wheels are better than two! For increased stability, safety and ease of use, this swivel caster attachment slips into our Leonard Universal Bracket, converting the cart into a three wheeler – making your job easier. 2" Square tube with welded caster plate, 10" pneumatic wheel assembly. Ship wt 15 lb. **Leonard Universal Bracket (#BCU22) required, sold separately.**

BCC10 $180.90 3+ $176.55
6+ $173.82

LEONARD T-BAR ATTACHMENT

Adds room and extra leverage for multiple workers. More room, more power! The Big T-Bar quickly slips into the Leonard Universal Bracket, and locks in with the 5/8" bent clevis and hairpin. This extra wide 60" handle allows multiple users and multiple positions for best leverage and control. Upon receipt, the T-Bar quickly assembles with slip-through round handle and locking collar. 2" Square with 1-1/4" 12 ga handle, and double-dipped vinyl grips. Ship wt 15 lb. **Leonard Universal Bracket (#BCU22) required, sold separately.**

BCT39KD $188.79 3+ $182.92 6+ $179.25

VERMONT GARDEN CARTS

Lighten your load when you need to haul plant material, fertilizers, compost, firewood, straw, or tools! A front sliding door makes for easy dumping and the heavy-duty pneumatic tires keep you rolling along smoothly. 1/2" exterior grade plywood, galvanized and plated steel components for strength and rust resistance. Visit amleo.com to view full specifications.

C20P	6.5 cu ft, 20" wheels	**$595.35**	**3+ $588.45**	**6+ $584.14**
C26P	13.6 cu ft, 26" wheels	**$699.64**		

FARM TUFF PLASTIC DECK WAGON

This mid-weight plastic deck wagon can help you move more in less time. The flat deck with just a hint of an edge moves plants, bags of mulch, tools, and more with ease. Featuring a tray that is 40"x20", and 10" pneumatic tires will be a great addition to your garden center, nursery, greenhouse, warehouse, business or home! 300 lb capacity. Ship wt 33 lb.

04842	Pneumatic	**$156.67**	**3+ $152.98**	**6+ $150.67**
04842-FF	Flat-Free	**$195.29**	**3+ $190.72**	**6+ $187.87**

FARM TUFF METAL DECK WAGONS

A great value on a good, basic wagon! There are literally tons of wagons available on the market. And although we're partial to our extremely durable Leonard wagon, we realize that the best quality cart may not always meet your needs, that at times, a value priced cart may fit the budget and your application better. These expanded mesh deck carts are among the best and designed for daily use. Carts also feature: Anti-tip style steering, durable powder-coated finish, convenient long handles, and easy rolling 4" x 10" pneumatic or Flat-Free tires. 800 lb capacity.

Item	Tires	Size	Ship wt	Price	3+	6+
GC2038	Pneumatic	20" x 38"	53 lb	**$169.79**	**$166.40**	**$164.27**
GC2448	Pneumatic	24" x 48"	71 lb	**$199.72**	**$194.80**	**$191.72**
GCF2038	Flat-Free	20" x 38"	53 lb	**$214.68**	**$211.40**	**$209.35**
GCF2448	Flat-Free	24" x 48"	71 lb	**$241.11**	**$236.13**	**$233.01**

WHEELBARROW SIFTER FOR COMPOST AND SOIL

Sifted compost feeds your plants as it dresses up your beds with its beautiful texture. Screening aerates your compost and removes any lumps of material that are not "done". Remove pebbles and debris from garden soil for your very own supply of clean topsoil. Plus, this sifter will shake dirt from bulbs and roots - it's much easier and faster than doing it by hand. The perfect size to screen material right into your wheelbarrow. Deep 4"sidewalls let you really load it up without spills. The heavy-duty frame is built from 1" thick poplar to withstand serious use. Measures 22"square (not including handles). Galvanized mesh screen has 1/2"openings. Requires simple assembly.

S22	**$89.60**	**3+ $86.82**	**6+ $85.09**

PW250
PW400

MOVES EVERYTHING FROM POTS TO TRASH CANS

POTWHEELZ GARDEN DOLLY

Every landscaper, grower, greenhouse worker, and gardener knows all too well that container and potted plants need to be moved from time to time. Sometimes weather conditions dictate that your plants have to come inside to survive a storm or cold front. Doing it without hurting yourself is really important. Not to mention you don't want to break or damage expensive, sometimes impossible-to-replace pots or plants. Whether you are moving a few off the patio, or dozens from the outdoor display area, Potwheelz can help. Just roll up next to the container, slide the container on, then tip back until the load balances and roll to the new location!

Item	Max Capacity	Max Pot Diameter	Color	Price
PW250	250 lb	17.5"	Red	**$361.17**
PW400	400 lb	21.5"	Green	**$441.81**

https://youtu.be/4RXnOoCrftc

LEONARD CURVE LIFT BALL CARTS

LIFETIME WARRANTY

Weighing in at under 50 lb, this lighter cart, in our lineup, still tackles hefty moves! The curved front lift snugs up to B&B trees and the handle height provides good leverage to tip trees into position. The narrow 32″ overall width allows access through gates and even tighter spaces. The frame strength is created by 1″ 14 ga steel tube, solid 3/4″ round bar stock, and 3/16″ thick steel back straps. Quality weld fabrication in two sections, bolted together with 4 carriage bolts. Equipped with heavy duty 13″ wheels, an ideal wheel size for heavy loads, choose between pneumatic and flat free tire options. **Frame made in the USA. Lifetime Warranty.** **UPS shippable.**

15CC	Pneumatic	**$425.97**	**3+ $419.43**	**6+ $415.34**
F15CC	Flat-Free	**$482.75**	**3+ $474.63**	**6+ $469.56**

LIGHTWEIGHT, COMPACT DESIGN

☆☆☆☆☆ “Light weight to make moving around easier but strong enough that it lets you move 3-4” balled and burlap trees. We really like it.” – Chaney’s Nursery, OH

NO JOB TOO BIG FOR THIS ONE; 10 CUBIC FEET!

10 cu. ft.

LIFETIME WARRANTY

LEONARD 10 CU. FT. POLY TRAY WHEELBARROW

Massive 10 cu. ft. capacity. Same great features as our WB08 only with a 10 cubic foot tray and two wheels. Comes with extra tray brace. Assembly required. MOTOR FREIGHT DELIVERY. **Lifetime Warranty**

- 10 cu. ft. poly tray
- 750 lb capacity
- (2) 16″ pneumatic tires
- 36″ wide x 20″ deep
- Handles 60″ x 1-5/8″ x 2″
- 5/8″ steel axle
- Greaseable fittings

FWB10

Item	Tires	Handle	Ship wt	Price	3+	6+
WB10	(2)16″ x 5.5″ Pneumatic	Wood	74 lb	**$292.03**	**$284.48**	**$279.76**
WB10-S	(2)16″ x 5.5″ Pneumatic	Steel	77 lb	**$295.66**	**$287.80**	**$282.89**
FWB10K	(2)16″ x 3″ Narrow Flat-Free	Wood	67 lb	**$316.25**	**$309.99**	**$306.08**
FWB10K-S	(2)16″ x 3″ Narrow Flat-Free	Steel	70 lb	**$319.38**	**$312.86**	**$308.78**
FWB10	(2) 16″ x 6″ Flat-Free	Wood	80 lb	**$361.55**	**$355.23**	**$351.28**
FWB10-S	(2) 16″ x 6″ Flat-Free	Steel	82 lb	**$365.94**	**$359.25**	**$355.07**

SCENIC ROAD WHEELBARROWS

6
cu. ft.
8
cu. ft.
M6-1T
M6-1FF
M8-1T
M8-1FF

SCENIC ROAD POLY TRAY WHEELBARROWS

Scenic Road M6 and M8 Series Poly Tray Wheelbarrows are rated to handle 800 lb. The structural steel undercarriage and components are powder coated to prevent against rust. 2-1/8" Extra thick American Ash handles feature a thick wood lacquer. An extra thick HDPE tray contains UV stabilizers to guard against the elements. American Made In Lancaster County, PA, the wheelbarrows are designed to provide years of service. Industry standard 16" wheels complete with ball bearings and grease fittings. Available in a 6" wide pneumatic turf tire, and 3" wide Flat-Free tire with knobby tread. Limited 10 year warranty. MOTOR FREIGHT DELIVERY.

Item	Size	Tires	Price	3+	6+
M6-1T	6 cu ft	Pneumatic	**$251.70**	**$246.68**	**$243.55**
M6-1FF	6 cu ft	Flat-Free	**$276.67**	**$270.76**	**$267.07**
M8-1T	8 cu ft	Pneumatic	**$298.98**	**$293.28**	**$289.71**
M8-1FF	8 cu ft	Flat-Free	**$310.28**	**$304.11**	**$300.26**

8
cu. ft.
M8-2FF
M8-2R

SCENIC ROAD TWO-WHEEL POLY TRAY WHEELBARROWS

Featuring a huge 800 lb capacity and a 10 year warranty, this Scenic Road wheelbarrow will help you move mounds of material! Described by the manufacturer as a 'larger than 8 cu ft' wheelbarrow, it has been redesigned to balance better, and push easier. Choose between pneumatic or Flat-Free tires. American Made In Lancaster County, PA. MOTOR FREIGHT DELIVERY.

- Extra Thick High-Density Polyethylene Tray With UV Stabilizers
- 2-1/8" Extra Thick Lacquered North American Ash Handles
- Extra Thick - Powder-Coated Structural Steel Undercarriage
- Heavy Duty Ball Bearing Wheel Assembly With Grease Fittings
- Tire Options: Flat-Free or 2 Ply Ribbed

M8-2R	Pneumatic	**$303.56**	**3+ $296.20**	**6+ $291.61**
M8-2FF	Flat-Free	**$398.16**	**3+ $389.92**	**6+ $384.77**

6
cu. ft.
8
cu. ft.
8
cu. ft.
SR6-1K
SR8-1K
SR8-2K

SCENIC LANE WHEELBARROWS

Best Priced 6cu ft and 8cu ft wheelbarrow options. Scenic Lane's economical poly tray wheelbarrows are rated up to a 400 lb load capacity. The Scenic Lane Wheelbarrows will provide years of dependable service. Choose from single wheel 6 cu. ft. and 8 cu. ft. or the double wheel 8 cu. ft. Scenic Lane wheelbarrows feature thick high-density polyethylene trays with UV stabilizers. Built on a heavy-duty powder coated steel undercarriage, and a pair of 60" x 1-5/8" lacquered American Ash handles. The wheel assembly includes a grease fitting for easy maintenance. Equipped with a 16", 4 ply pneumatic tire. The knobby tread tire measures 4" wide, providing plenty of traction and stability. Made in Lancaster County, PA. Backed by a 5 Year Warranty. MOTOR FREIGHT DELIVERY.

Item	Size	Wheel	Price	3+	6+
SR6-1K	6 cu ft	Single	**$191.69**	**$187.87**	**$185.48**
SR8-1K	8 cu ft	Single	**$216.40**	**$212.17**	**$209.53**
SR8-2K	8 cu ft	Double	**$278.19**	**$271.98**	**$268.11**

PERFECT MIX OF STRENGTH, SIZE AND MANEUVERABILITY!

8
cu. ft.
FWB08-S

LEONARD 8 CU. FT. POLY TRAY WHEELBARROW

A larger capacity poly tray for when 6 cubic feet just isn't enough. Same great features as our WB6 only with an 8 cubic foot tray. Assembly required. MOTOR FREIGHT DELIVERY.

- 8 cu. ft. poly tray
- 500 lb capacity
- 16" pneumatic tire
- 34" wide x 16" deep
- Handles 60" x 1-5/8" x 2"
- 5/8" steel axle
- Greaseable fittings
- Lifetime Warranty

LIFETIME WARRANTY

16" x 5.5" Pneumatic

WB08	Wood Handle	$236.66	3+ $229.27	6+ $224.66
WB08-S	Steel Handle	$239.79	3+ $232.13	6+ $227.35

16" x 3" Narrow Flat-Free

FWB08K	Wood Handle	$246.77	3+ $240.19	6+ $236.08
FWB08K-S	Steel Handle	$249.90	3+ $243.05	6+ $238.77

16" x 6" Flat-Free

FWB08	Wood Handle	$266.42	3+ $260.05	6+ $256.06
FWB08-S	Steel Handle	$269.55	3+ $262.91	6+ $258.76

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DURABLE, DEPENDABLE, POLY TRAY WHEELBARROWS

LIFETIME WARRANTY

LEONARD 6 CU. FT. POLY TRAY WHEELBARROW

A customer favorite and tough from the ground up! These 6 cubic foot capacity poly trays are practically indestructible, all weather performers. 60" long hardwood handles are an extra thick 1-5/8" x 2" that can stand up to anything you can lift. Wide carriage bolt heads and heavy duty undercarriage offer enough support to handle up to 500 lb. Choose from extra wide, low profile tread for leaving fewer ruts in lawns when hauling heavy loads or our narrow diamond tread pattern for a more traditional set up for quick and easy turns. Lightweight and UPS shippable. Assembly required. Ship wt 60 lb. **Lifetime Warranty.**

WB6
FWB6K-S
6
cu. ft.

UPS DELIVERABLE!

16" x 5.5" Pneumatic

WB6	Wood Handle	$219.69	3+ $213.48	6+ $209.59
WB6-S	Steel Handle	$223.82	3+ $217.26	6+ $213.16

16" x 3" Narrow Flat-Free

FWB6K	Wood Handle	$236.80	3+ $230.83	6+ $227.10
FWB6K-S	Steel Handle	$239.93	3+ $233.70	6+ $229.80

16" x 6" Flat-Free

FWB6	Wood Handle	$262.45	3+ $256.21	6+ $252.31
FWB6-S	Steel Handle	$266.58	3+ $259.99	6+ $255.88

NON-MARRING NOSE GUARD FOR LEONARD WHEELBARROWS

A must have wheelbarrow accessory for all landscapers. Easy to install, this component fits all A.M. Leonard Wheelbarrows. The non-marring nose guard completely encloses the steel nose brace of the wheelbarrow and eliminates s cratches to pavers, tile, asphalt, and concrete. Ship wt 0.6 lb. **Lifetime Warranty. Made in the USA!**

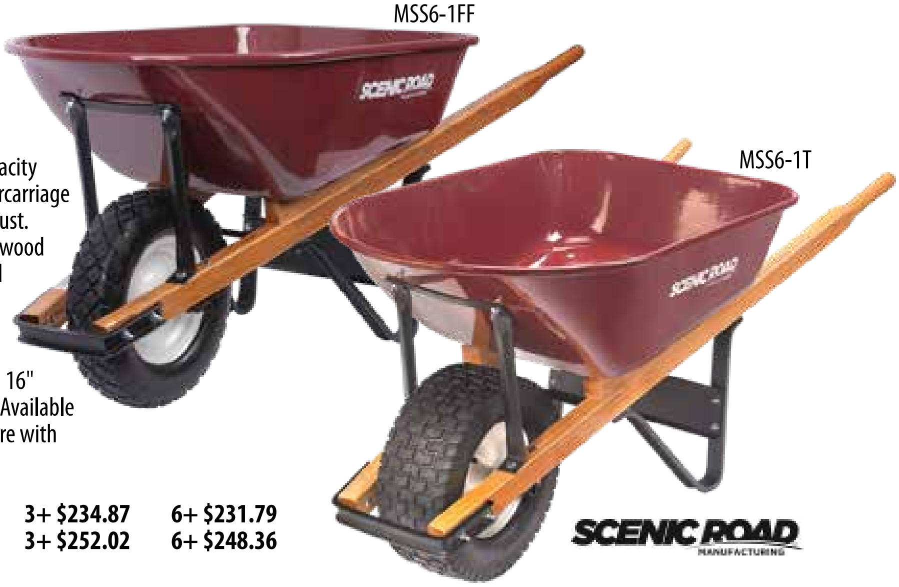
WB1001G	$14.66	3+ $14.19	6+ $13.90

MODS AND REPLACEMENTS

SCENIC ROAD M SERIES STEEL TRAY WHEELBARROW

Scenic Road Steel Tray Wheelbarrows have a 6 cu. ft. capacity and are rated to handle 500 lb. The structural steel undercarriage and components are powder coated to prevent against rust. 2-1/8" extra thick American Ash handles feature a thick wood lacquer to seal the handles from the elements. Equipped with a heavy- duty 16ga powder coated steel tray. Designed to withstand the harshest tasks and work environments. Scenic Road steel tray wheelbarrows are built to provide many years of service. Industry standard 16" wheels complete with ball bearings and grease fittings. Available in a 6" wide pneumatic turf tire, and 3" wide Flat-Free tire with knobby tread. Limited 5-Year Warranty.

MSS6-1T	6” Pneumatic. Ship wt 54 lb.	**$239.79**	**3+ $234.87**	**6+ $231.79**
MSS6-1FF	3” Flat-Free. Ship wt 52 lb.	**$257.89**	**3+ $252.02**	**6+ $248.36**



LEONARD STEEL TRAY SUPPORT

Every Leonard wheelbarrow now features a welded angled steel tray support. This new improvement increases our wheelbarrow’s load capacity and stiffen’s up the chassis for added strength and rigidity.

WB1019 **$19.44**

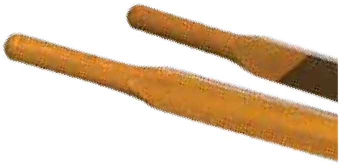
REPLACEMENT STEEL HANDLES FOR LEONARD WHEELBARROWS

Fits all Leonard brand wheelbarrows. Galvanized steel with black powder coat finish. Heavy duty injection molded grips. Made of 18ga steel, measuring 1-1/2” x 2” x 60”. Consistent strength and increased durability over wooden handles. Sold in pairs. Ship wt 9 lb.

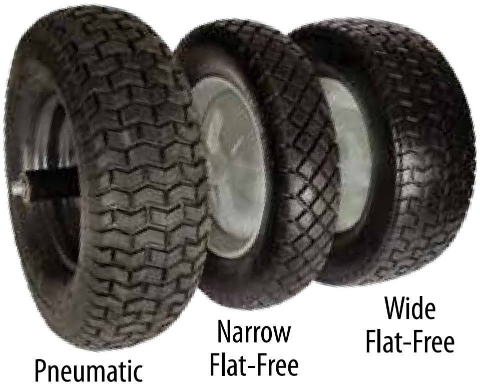
WB1004S **$48.55**

REPLACEMENT WOOD HANDLES FOR LEONARD WHEELBARROWS

Fits Leonard brand wheelbarrows.



WB10041	Single	**$22.57**
WB1004	Pair	**$42.39**



REPLACEMENT WHEELBARROW WHEELS

Solid, flat-free polyurethane tires provide the bounce and load handling of a pneumatic tire. But best of all, they will never go flat! Choose the tire option that’s right for you!

16” x 6” Flat-Free with Turf Tread
Urethane foam tire eliminates flats. Wider tire reduces rutting and provides more traction. Width provides more “flotation” in muddy conditions.
FF16BB **$99.75**

16” x 3-1/2” Flat-Free with Diamond Tread
Urethane tire eliminates flats. Narrow width is easier to maneuver, especially when pivoting tightly. Reduced effort to push on firm ground.
FF16KBB **$61.60**

16” x 5” Pneumatic with Turf Tread
Traditional bounce and handling of a pneumatic. 4-ply tire rating for higher strength. Width reduces rutting and provides more traction.
WB1005 **$51.40**

DURABLE STEEL TRAY WHEELBARROWS

UPS DELIVERABLE!

LEONARD 6-CU. FT. STEEL TRAY WHEELBARROW

Unlike any steel tray wheelbarrow that can be found at the local "Big Box Store". Leonard's 6 cu ft Steel Tray is up to 75% thicker than inexpensive, consumer grade steel tray wheelbarrows! Our 6-cubic-foot capacity steel tub is made of 1.4mm thick steel and powder coated to prevent rust. Built to provide many years of reliable service! The low-profile design provides increased stability, even with heavy loads on rutted surfaces. Our narrowest wheelbarrow, the 25" wide tray easily fits through common doorways and gates. The wide carriage bolt heads and heavy-duty undercarriage offer enough support to handle loads weighing up to 500 lb. **Lifetime Warranty.**

16" x 5.5" Pneumatic

WBST6	Wood Handle	**$240.29**	**3+ $233.59**	**6+ $229.40**
WBST6-S	Steel Handle	**$244.42**	**3+ $237.37**	**6+ $232.97**

16" x 3" Narrow Flat-Free

FWBST6K	Wood Handle	**$259.40**	**3+ $252.79**	**6+ $248.65**
FWBST6K-S	Steel Handle	**$263.53**	**3+ $256.57**	**6+ $252.22**

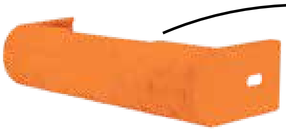
16" x 6" Flat-Free

FWBST6	Wood Handle	**$285.05**	**3+ $278.16**	**6+ $273.86**
FWBST6-S	Steel Handle	**$289.18**	**3+ $281.95**	**6+ $277.43**

6
cu. ft.
LIFETIME
WARRANTY

WBST6-S with WB1001G

NO MORE SCRATCHES!



NON-MARRING NOSE GUARD FOR LEONARD WHEELBARROWS

Improve wheelbarrow handling, work more efficiently, and protect paved surfaces with A.M. Leonard's Non-Marring Nose Guard. A must have wheelbarrow accessory for all landscapers, hardscapers, and contractors. Easy to install, this component fits all A.M. Leonard Wheelbarrows. The non-marring nose guard completely encloses the steel nose brace of the wheelbarrow and eliminates scratches to pavers, tile, asphalt, and concrete. This offers peace of mind for crews working around outdoor living spaces such as paver patios. Workers can also utilize this wheelbarrow accessory to work from paved areas and track less soil across the jobsite.

https://youtu.be/xHGTYoF-U5Q

Durable and light weight, the high impact poly construction of the nose guard is extremely tough and weather resistant. It features a tire tread pattern that helps plant the nose of the wheelbarrow on paved surfaces and off-road terrain. Additionally, the rounded profile offers a predictable forward tipping motion, and provides extra clearance to help completely empty the tray. Remarkably effective for mulching tasks, this component proves useful any time wheelbarrows are used to haul and dump material. Ship wt 0.6 lb. **Lifetime Warranty. Made in the USA!**

WB1001G	**$14.66**	**3+ $14.19**	**6+ $13.90**

CONVERT YOUR SINGLE WHEEL TO A 2-WHEELER

2 WHEEL CONVERSION KIT

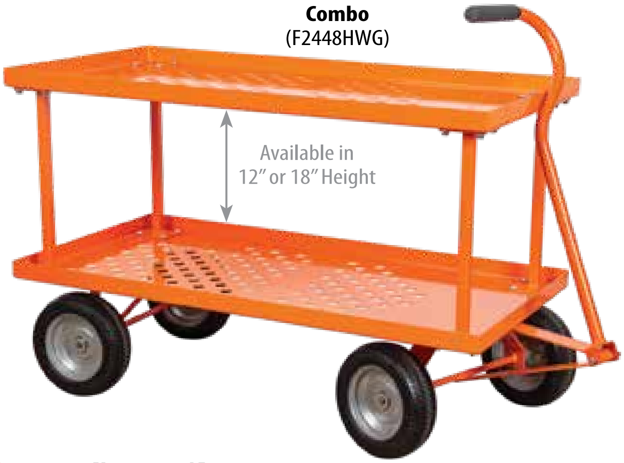
Equip your Leonard single wheel Pneumatic Wheelbarrow with Two Wheels! Increase stability and weight capacity of your single wheel Leonard Wheelbarrow with our Two-Wheel Conversion Kit. This heavy duty pneumatic two wheel conversion kit comes with one 5-1/2" x 16" wide pneumatic wheel, extended axle, dual axle mounting brackets, and necessary hardware. All the components needed to convert A.M. Leonard brand single wheel wheelbarrow into a dual wheel model. This pneumatic conversion kit is intended to be used with Leonard single wheel models using our wide pneumatic wheel: WB6, WB6-S, WBST6, WBST6-S, WB08, WB08-S. Ship wt. 15lb.

Item	Description	Price	3+	6+
WBKT	16" x 5.5" pneumatic	**$67.84**	**$65.67**	**$64.31**
FWBKKT	16" x 3" Flat-Free	**$84.65**	–	–
FWBKT	16" x 6" Flat-Free	**$138.92**	**$137.24**	**$136.20**

FWBKT

CARTS YOU CAN'T DO YOUR JOB WITHOUT

Combo
(F2448HWG)



LEONARD NURSERY/GARDEN CENTER WAGON AND "UPPER DECK" COMBO

Double the carrying capacity! Heavy 11 gauge steel punched deck with either 12″ or 18″ leg heights. Mounting plates and 3/8″ bolts included. **Flat-Free tires.** **Lifetime Warranty.** MOTOR FREIGHT DELIVERY.

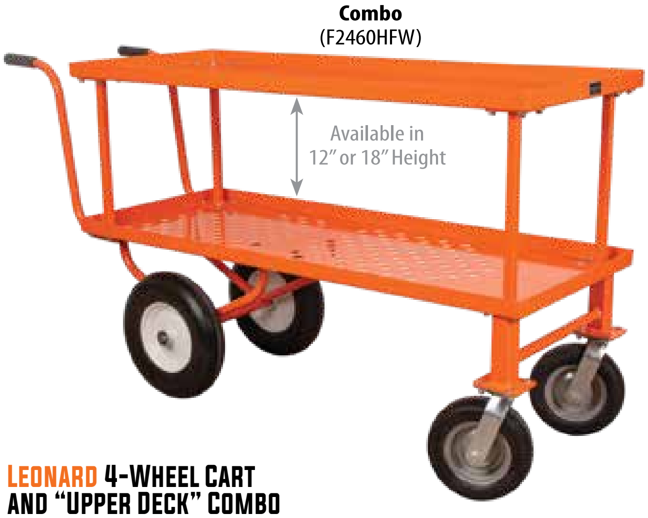
48″ Length

F2448LWG	12″ Height	**$958.87**	**3+ $944.04**	**6+ $934.77**
F2448HWG	18″ Height	**$968.02**	**3+ $952.46**	**6+ $942.73**

60″ Length

F2460LWG	12″ Height	**$963.73**	**3+ $951.67**	**6+ $944.13**
F2460HWG	18″ Height	**$968.73**	**3+ $956.27**	**6+ $948.48**

Combo
(F2460HFW)



LEONARD 4-WHEEL CART AND "UPPER DECK" COMBO

Double the carrying capacity! Heavy 11 gauge steel punched deck with either 12″ or 18″ leg heights. Mounting plates and 3/8″ bolts included. **Flat-Free tires.** **Lifetime Warranty.** MOTOR FREIGHT DELIVERY.

48″ Length

F2448LFW	12″ Height	**$991.27**
F2448HFW	18″ Height	**$996.27**

60″ Length

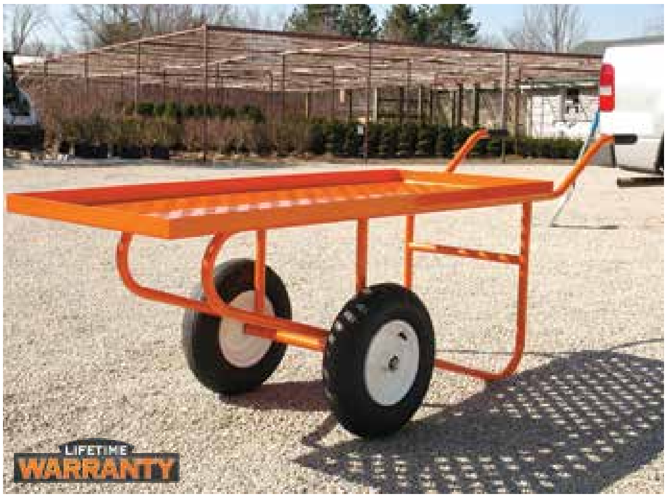
F2460LFW	12″ Height	**$996.62**
F2460HFW	18″ Height	**$998.12**

ALREADY HAVE A FW OR WG CART OR WAGON? ADD AN UPPER DECK!

LIFETIME WARRANTY

(Mounting
hardware included)

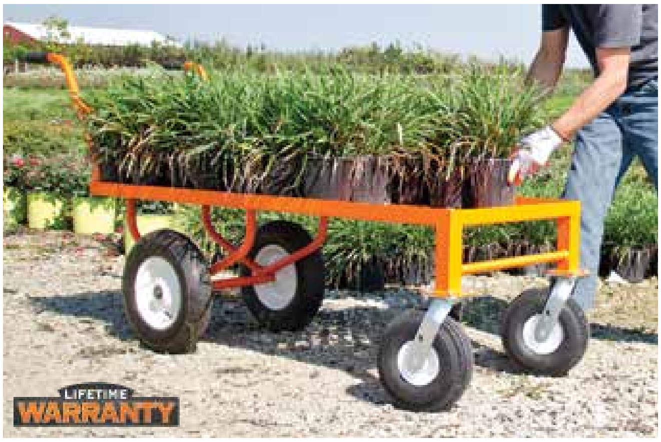
Item	Length	Deck Height	Price	3+	6+
48SH12	48″	12″	$351.29	$345.90	$342.53
48SH18	48″	18″	$353.20	$347.66	$344.19
60SH12	60″	12″	$381.39	$374.97	$370.95
60SH18	60″	18″	$383.05	$376.49	$372.40



LEONARD 24” X 60” EXTENDED DECK CART

At 24” x 60”, the Extended Deck Cart provides plenty of space for containerized material, flats/packs, potted shrubs, and more. 2-wheel design provides exceptional maneuvering even under heavy load. 1” solid steel axle, 1-1/8”steel tubing, 850 lb capacity, featuring 11 ga diamond punch steel decking. Ship wt 96 lb. **Cart frames made in the USA.** SHIPS MOTOR FREIGHT.

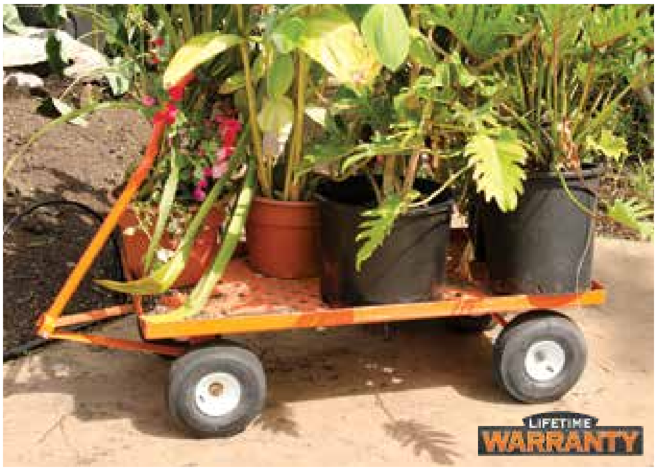
Item	Size	Wheel Type	Price	3+	6+
2460EX	24” X 60”	Pneumatic	**$568.26**	**$559.86**	**$554.61**
F2460EX	24” x 60”	Flat-Free	**$657.54**	**$646.32**	**$639.31**



LEONARD 4-WHEEL CART

Push style cart tackles just about any task. 4-wheel cart provides increased load capacities up to 1000 lb! Stable turning with 10” pneumatic or Flat-Free front caster wheels. 1” solid steel axle, 11 ga diamond punch steel deck, 1-1/8” steel tubing. 16” pneumatic or Flat-Free rear tires. **Cart frames made in the USA.** SHIPS MOTOR FREIGHT.

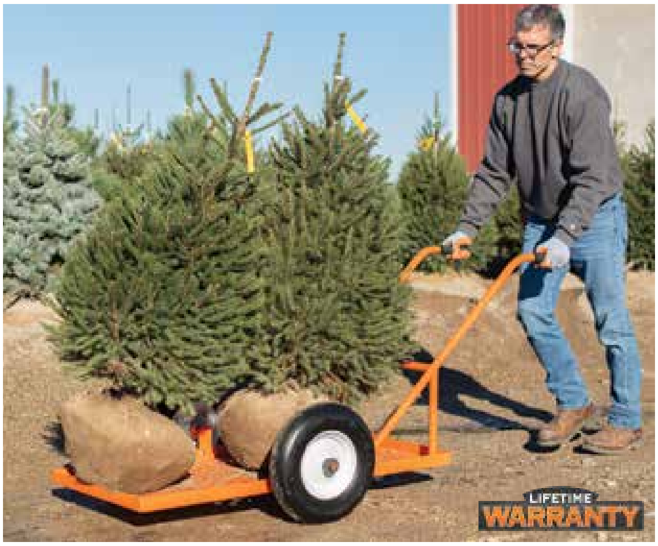
Item	Size	Wheel Type	Price	3+	6+
2448FW	24” X 48”	Pneumatic	**$654.75**	**$643.15**	**$635.90**
F2448FW	24” x 48”	Flat-Free	**$703.96**	**$694.09**	**$687.92**
2460FW	24” x 60”	Pneumatic	**$659.96**	**$648.06**	**$640.62**
F2460FW	24” x 60”	Flat-Free	**$710.01**	**$699.77**	**$693.37**



LEONARD NURSERY AND GARDEN CENTER WAGON

Great for self serve retail sales areas. 11 ga diamond punch steel deck hauls plenty of plants, bagged media, or hard goods up to 900 lb! 4-wheel design is very stable even if loaded unevenly. Smooth, easy steering with sturdy extended length handle. 5/8” solid steel axles, 1-1/8” steel tubing. 10” pneumatic or Flat-Free tires. **Cart frames made in the USA.**

Item	Size	Wheel Type	Price	3+	6+
2448WG	24” X 48”	Pneumatic	**$535.60**	**$526.88**	**$521.42**
F2448WG	24” x 48”	Flat-Free	**$629.63**	**$618.43**	**$611.43**
2460WG	24” x 60”	Pneumatic	**$566.83**	**$557.39**	**$551.48**
F2460WG	24” x 60”	Flat-Free	**$653.86**	**$642.50**	**$635.39**



LEONARD 24” X 48” LOW DECK CART

Cart deck sits low, providing easier loading/unloading of materials. 1” lip reinforces front deck and allows for sliding of heavy containers. 1” solid steel axles, 1-1/8” steel tubing, 850 lb capacity, featuring 11 ga diamond punch steel decking. Ship wt 73 lb. **Cart frames made in the USA.** SHIPS MOTOR FREIGHT.

Item	Size	Wheel Type	Price	3+	6+
2448LW	24” X 48”	Pneumatic	**$540.10**	**$532.07**	**$527.05**
F2448LW	24” x 48”	Flat-Free	**$618.09**	**$607.90**	**$601.52**

LEONARD CART FRAMES ARE MADE IN THE USA!

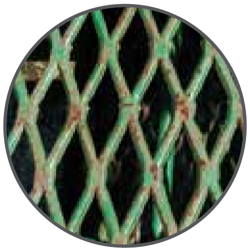
THE DIAMOND DECK: OUR ADVANTAGE, YOUR GAIN

Our one-piece heavy gauge steel diamond-punched decks create an extremely strong and durable construction. Unlike expanded metal decks that are welded to an outer frame and apt to rust, our decks will not bend or break at welds. Expanded metal decks are economical, but if you’re looking for carts that will last for years to come, our USA-Made carts deliver!

WHY OUR FLATBED CARTS ARE SUPERIOR:

Other carts out there have a mesh metal welded to an outer steel frame. Their’s either bends in the middle when loaded with heavy materials or eventually the mesh will break at a weld because of stress — it just is a thinner piece! Our carts, with thick diamond-punched steel will last much longer, period. Get an American-made cart, built to last a lifetime.

THEIRS: THINNER DECK

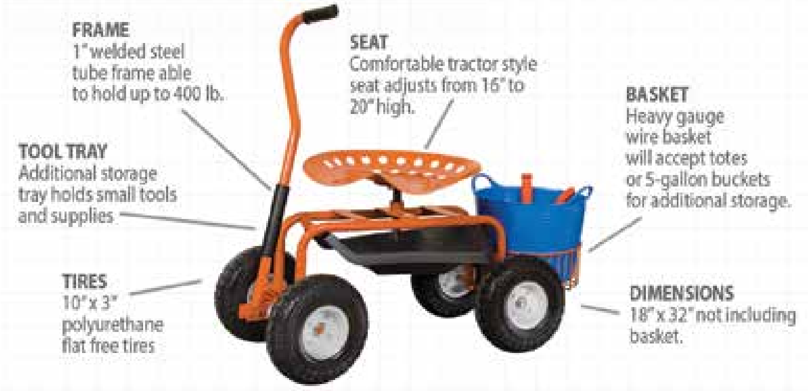


OURS: SUPERIOR DESIGN

LEONARD GARDEN SCOOT WITH FLAT-FREE TIRES

With our Garden Scoot, tedious chores like weeding, harvesting and washing the car just got easier! You won't have to strain your back, kneeling, squatting or stooping to do chores. Due to the new Flat-Free polyurethane tires, the scooter will always be ready when you are . . . no delays or hassles due to low tire pressure or flats. The increased storage basket size will now accommodate a small Tubtrug or 5 gallon bucket for maximum capacity (not included). The re-designed steering is easier to operate while seated on all types of surfaces. The comfortable, tractor-style seat adjusts from 16" to 20" high at seat bottom. Additional storage of small tools and supplies with the polyethylene tray. 1" welded steel tube frame construction with a maximum weight capacity of 400 lb. 10" x 3" polyurethane Flat-Free tires. 18" wide, 32" length (not including handle or removable basket). Ship wt 39 lb.

AGS2	**$198.91**	**3+ $196.25**
	6+ $194.59	


FRAME
1" welded steel tube frame able to hold up to 400 lb.
SEAT
Comfortable tractor style seat adjusts from 16" to 20" high.
BASKET
Heavy gauge wire basket will accept totes or 5-gallon buckets for additional storage.
TOOL TRAY
Additional storage tray holds small tools and supplies
TIRES
10" x 3" polyurethane flat free tires
DIMENSIONS
18" x 32" not including basket.

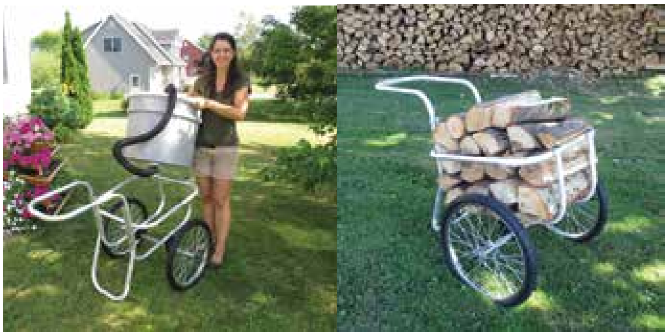
https://youtu.be/Wpv0Xw_Pm-8

SMART CART ULTIMATE GARDENER

The Ultimate Gardener by Smart Cart is the perfect cart for the quality minded gardener. The higher mounted handle means you bend less to pick it up! This cart will outperform and outlast any other cart of similar design. This cart is lightweight and super strong. The heavy duty and extra thick HDPE panel construction ensure years of worry free usage. This cart is not made of wooden panels... it will not rot, warp or split. Like all the Smart Carts products the Ultimate Gardener is manufactured in Maine USA using only long lasting top quality components. We believe that it is the best quality product of its kind and it is backed by the industry's best product warranty. The only other cart that can outlast a Smart Cart is another Smart Cart. Overall size: 52"L x 32"W x 23.5"H.

SCUG **$399.01**

USE FOR MORE THAN JUST WATERING!



SMART WATER CART

No more buckets to carry, no more long hoses to handle. The cart is also equipped with a flexible crush-resistant and virtually kink-proof hose to easily water out-of-reach plants and areas. The 5ft hose also features quick connect flow tip to easily switch from a heavy flow pattern to a gentle shower pattern. The system naturally dispenses water relying on gravity, so there's no tricky, fragile operating system or difficult-to-use pump.

SWCS **$464.14**

LEONARD UTILITY WAGON

Professional quality wagon that serves many functions. Recommended for transporting plant material, bagged planting supplies, tools and more at your garden center, greenhouse, nursery or job site. 13″ wheels handle the roughest terrain. Carts can be hitched together using an optional Tow Hitch. Features: 5″ x 13″ pneumatic or Flat-Free tires. Welded rim wheels. Poly tray is 30″ wide, 46″ long, and 7-1/2″ deep. 7-1/2″ axle height. 5/8″ axle diameter. Ship wt 78 lb. **Made in the USA.**

Pneumatic

GW45	Orange	$269.71	3+ $266.20	6+ $264.01
GW45G	Green	$274.82	3+ $270.90	6+ $268.45

Pneumatic Wheel

GW4512	$49.18

Flat-Free

FGW45	Orange	$311.98
FGW45G	Green	$314.33

Flat-Free Wheel

FF13	$61.54

IDEAL FOR ALL OF YOUR LANDSCAPING & GARDENING NEEDS!

https://youtu.be/981403lienU

LEONARD 3-IN-1 HAULER

The Leonard 3-in-1 Hauler is rugged and versatile, helping you move more material, or gear, efficiently. The 3-in-1 product serves as a wagon liner, a utility sled, and a large mixing tray! You'll appreciate the 5.5 cubic feet capacity and the rope is a tough, flexible polyethylene that won't rot . The tray material is a HMWPE (High Molecular Weight Polyethylene) which is extremely durable and has great UV properties to withstand all weather conditions. Item Weight 10.5 lb.

GWL45	$99.16	3+ $97.05	6+ $95.74

MOD YOUR WAGON!

BOLT-ON TOW HITCH FOR LEONARD UTILITY WAGON

Bolt-On Tow Hitch transforms the handle into a hitch that can be used to link multiple carts together and/or to motorized utility vehicles. Ship wt 1 lb.

GWH45	$9.93	3+ $9.78	6+ $9.68

Shown with GW45 and GLW45

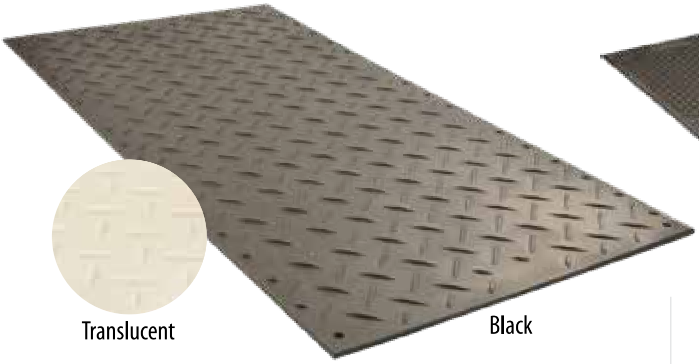
Hauler nests perfectly into our utility wagons!

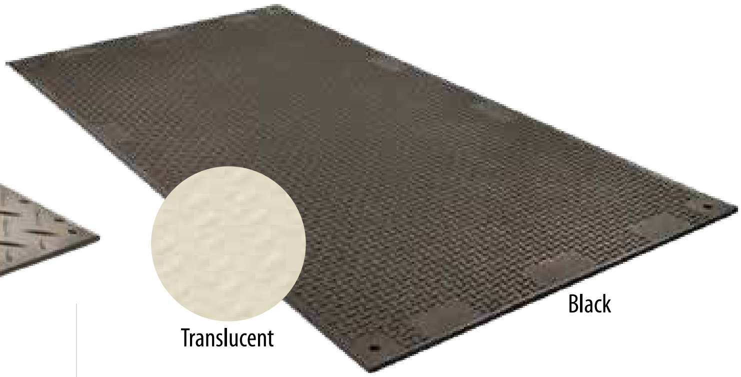
INDUSTRIAL GRADE GROUND PROTECTION

ALTURNAMATS® AND VERSAMATS®

High load capacity ground protection AlturnaMATS® and VersaMATS® provide ground protection solutions to Landscape, Construction, and Event Industries. From industrial equipment to foot traffic. Versatile tread options have made AlturnaMATS® and VersaMATS® an essential part of any jobsite and event. AltunaMATS® feature a Diamond Plate tread for maximum traction. While VersaMATS® offer a Slip-Resistant flat tread, and classic Diamond Plate tread options. All versions are available in cost effective Black and turf-friendly Clear colors.

- **Supports up to 240,000 lb.pr 120 tons**
- **Unaffected by extreme hot or cold temperatures**
- **Designed to flex with the ground, but will never break**
- **1/2" thick, 100% recycled HDPE**
- **Easy to clean and will not rot**
- **Chemical and oil resistant**
- **Limited Lifetime Warranty**
- **Made in the USA!**





ALTURNAMATS®: DOUBLE -SIDED TREAD

Diamond Plate Tread design on both sides. Ideal for off-road applications. Build a roadway for equipment traffic or use to create a working area. Leaving soft turf smooth and eliminate ruts and deep tracks. Double-Sided AlturnaMATS provide excellent traction over soft, wet, and sensitive ground conditions. Flex and contours to different ground conditions to Eliminate slip. Standard Black color mats are a cost effective option. Turf-friendly Clear mats can spend days in the sun without damaging turf. Choose from popular 3' x 8', and 4' x 8' sizes. MOTOR FREIGHT DELIVERY.

Item	Size	Color	Ship wt	Price
AM48	4' x 8'	Black	86 lb	**$329.85**
AM38	3' x 8'	Black	65 lb	**$272.49**
CM48	4' x 8'	Translucent	86 lb	**$369.52**
CM38	3' x 8'	Translucent	65 lb	**$299.97**

VERSAMATS®: DOUBLE-SIDED TREAD

Slip-Resistant tread on one side, classic Diamond Plate Tread on the other. Ideal for use on and off-road. The most versatile ground protection mats in the industry. The flat and low profile Slip-Resistant reduces trip hazard and provides excellent grip for foot traffic and heavy equipment. The Slip-Resistant Flat tread is safe for use face down on paved surfaces. And the other side in the same Diamond Plate tread design as AlturnaMats offers the same list of off-road applications. Standard Black color mats are a cost effective option. Turf-friendly Clear mats can spend days in the sun without damaging turf. Choose from popular 3' x 8', and 4' x 8' sizes." MOTOR FREIGHT DELIVERY.

Item	Size	Color	Ship wt	Price
VM48	4' x 8'	Black	86 lb	**$326.46**
VM38	3' x 8'	Black	65 lb	**$269.94**
CV48	4' x 8'	Translucent	86 lb	**$362.42**
CV38	3' x 8'	Translucent	65 lb	**$289.68**

ALTURNAMATS® : ONE SIDE SMOOTH

Classic Diamond Plate Tread on one side, and completely smooth on the other. Ideal for paved and off-road applications. For use smooth side down to protect paved surfaces. In off-road applications, One Side Smooth mats can be used to create an area turning and pivoting area. Group mats smooth side up to allow heavy tracked and wheeled equipment to maneuver freely, without disturbing the ground underneath. Standard Black color mats are a cost effective option. Turf-friendly Clear mats can spend days in the sun without damaging turf. Choose from popular 3' x 8', and 4' x 8' sizes. MOTOR FREIGHT DELIVERY.

Item	Size	Color	Ship wt	Price
AM48S1	4' x 8'	Black	86 lb	**$329.85**
AM38S1	3' x 8'	Black	65 lb	**$272.49**
CM48S1	4' x 8'	Translucent	86 lb	**$369.52**
CM38S1	3' x 8'	Translucent	65 lb	**$299.97**

VERSAMATS®: ONE SIDE SMOOTH

Slip-Resistant Tread on one side, and completely smooth on the other. Ideal for use on roads and paved surfaces. Perfect for road construction crews, city works, municipalities, and events. Slip-Resistant tread provides excellent grip many applications, from pedestrian foot traffic and industrial equipment. With the convenience of a smooth side for use face down on delicate surfaces. Standard Black color mats are a cost effective option. Turf-friendly Clear mats can spend days in the sun without damaging turf. Choose from popular 3' x 8', and 4' x 8' sizes." MOTOR FREIGHT DELIVERY.

Item	Size	Color	Ship wt	Price
VM48S1	4' x 8'	Black	86 lb	**$326.46**
VM38S1	3' x 8'	Black	65 lb	**$269.94**
CV48S1	4' x 8'	Translucent	86 lb	**$362.42**
CV38S1	3' x 8'	Translucent	65 lb	**$289.68**

TRAKMAT CONNECTORS

Connect multiple mats together for larger equipment.

HDU-2	2-Way	**$8.57**	**7+ $8.33**	**14+ $8.18**
HDU-4	4-Way	**$19.49**	**7+ $18.97**	**14+ $18.64**

HDU-2

GREEN INDUSTRY GROUND PROTECTION

TRAKMAT®

Commercial Grade ground protection mats, TrakMAT is ideal for the Green Industry. Designed to move large vehicles and heavy equipment over lawns, sidewalks, driveways, and more without causing damage. Supports loads up to 180,000 lb or 90 tons. Great for general landscaping and construction equipment of any size. Featuring a Power Cylinder tread surface on both sides. This popular tread pattern provides maximum contact tire (track) to mat, and mat to ground contact. While leaving sensitive ground unscathed. TrakMAT will also prevent vehicles and equipment from getting stuck in wet, muddy, unstable ground conditions. Made of 1/2" thick polyethylene that is easy to clean, chemical and oil resistant. Unaffected by extreme temperatures, hot or cold. UV protection prevents degradation, and the matte surfaces reduce sun glare. Available in 36" x 96" and 44-1/2" x 96" sizes. The unique 44-1/2" wide size is the lightest "full-size" ground production mat available at 78 lb. Manufactured from 100% recycled High Density Polyethylene (HDPE). TrakMAT features hand hold cutouts for easy deployment and maneuverability. And pre-drilled holes for mat connecting hardware, HDU-2 and HDU-4. Available in Black or Light Green. 6 Year Limited Warranty. MOTOR FREIGHT DELIVERY.

Item	Dimension	Weight	Color	Price	7+	14+
TM3696-8B	36" x 96"	64 lb	Black	**$279.68**	–	–
TM3696-7G	36" x 96"	64 lb	Light Green	**$346.20**	–	–
TM4496-8B	44-1/2" x 96"	78 lb	Black	**$299.57**	–	–
TM4496-7G	44-1/2" x 96"	78 lb	Light Green	**$364.66**	–	–
HDU-2	2-Way Connector	.5 lb	–	**$8.57**	**$8.33**	**$8.18**
HDU-4	4-Way Connector	1 lb	–	**$19.49**	**$18.97**	**$18.64**

Black
Light Green
HDU-2

TRAKPAD™

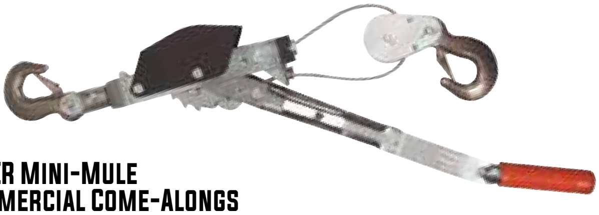
Made from Ultra-high-molecular-weight polyethylene (shortened to UHMW) It has extremely long molecular chains, numbering in the millions. The longer chain transfers load more effectively. This results in a very tough material.

1818TP-1	18" Pad	**$175.40**
2424TP-1	24" Pad	**$229.79**

SPANSET® UTILITY RATCHET TIEDOWN STRAPS

SpanSet Utility Rated Ratchet Tiedowns are designed for light utility and industrial uses. This 20' ratchet buckle tiedown is made with 1" wide 4,000 lb rated webbing. Featuring versatile J-Hook & Keeper end fittings and offering a 3,000 lb straight pull capacity. These ratcheting tiedowns are perfect for securing light equipment and much more. Package of 1 tiedown strap. Ship wt 3.7 lb. **Made in the USA!**

40R20JK $28.87 3+ $28.39 6+ $28.10

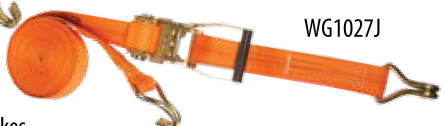


DEUER MINI-MULE COMMERCIAL COME-ALONGS

The strongest name in come-alongs! These commercial grade DEUER Mini-Mule Come-Alongs are the most popular, wide-utility models. The 1 ton model 112R has 12' of pull and a 18:1 power ratio and easily handles 2,000 lb. Where the 2 ton model 212R has 6' of pull and boast a 36:1 power ratio, easily handling 4,000 lb. Mini-Mule's are equipped with military grade aircraft type wire rope, galvanized to prevent against rust. Made with heat treated components and featuring forged steel hooks with safety latch. The 11-gauge steel frame and center-pull handle offers balance for one-handed operation and will not bend under normal use. Loaded with features, find the Mini-Mules on amleo.com to see the full list of specs. **Made in the USA!**

112R	1 Ton, 12' cable	**$109.95**	**5+ $107.86**	**10+ $106.55**
212R	2 Ton, 6' cable	**$123.92**	**5+ $121.06**	**10+ $119.27**

WG515J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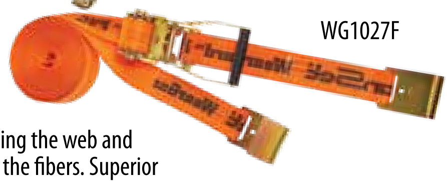

WG1027F

WEARGARD™ RATCHET TIE DOWNS

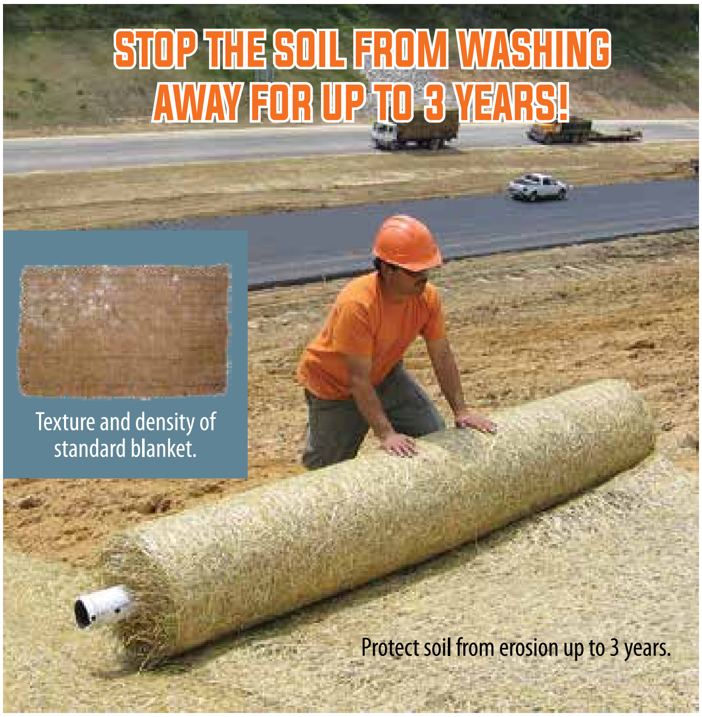
WearGard webbing makes all the difference. Impregnated with PVC to deliver superior strength and endurance day in and day out. Webbing is dyed, heat set, and PVC treated, protecting the web and creating stronger bonds between the fibers. Superior moisture resistance, stands up to sun, nicks, tears, and abrasions. Sold one per pack. **Made in the USA.**

Item	Size	Capacity	Hooks	Ship wt	Price	5+	10+
WG515J	2" x 15'	5,000 lb	Double "J"	3 lb	**$42.05**	**$40.95**	**$40.27**
WG1027J	2" x 27'	10,000 lb	Double "J"	7 lb	**$46.57**	**$45.12**	**$44.21**
WG1027F	2" x 27'	10,000 lb	Flat	7 lb	**$46.76**	**$45.29**	**$44.38**

SPANSET® UTILITY CAM BUCKLE TIEDOWN STRAPS

SpanSet Utility Rated Tiedowns are ideal for quickly and easily securing cargo and equipment. Designed for light utility and industrial uses. Standard 12' cam buckle tiedowns are made with 1" wide 2,500 lb webbing. Featuring standard S-Hooks and offering a 1,000 lb straight pull capacity. These tiedowns are perfect for securing mowers, fuel cans, power equipment and much more. Package of 1 tiedown strap. Ship wt 2 lb.

20B12S $15.38 5+ $15.07 10+ $14.88


STOP THE SOIL FROM WASHING AWAY FOR UP TO 3 YEARS!

Texture and density of standard blanket.

Protect soil from erosion up to 3 years.

EROSION CONTROL

ENVIROSCAPE EROSION CONTROL BLANKETS

Effective in controlling erosion on slopes and stabilizing soils long enough for revegetation seeding to establish on the site. Designed to be used on gradual to steep slopes and are available for both short term biodegradable applications and long-term soil stabilization. MOTOR FREIGHT DELIVERY.

STRAW-COCONUT EROSION CONTROL BLANKET

Up to 2:1 slope. Made of 70% straw and 30% coconut fiber. Double, photodegradable netting provides erosion protection up to 2 years. Recommended for 2:1 slopes and medium flow channels. Each roll measures 8′ x 113′ and covers up to 100 square yards. Priced per roll. Ship wt 55 lb.

SC3000	Standard	**$90.53**	**3+ $87.97**	**6+ $86.38**
SC3000BD	Biodegradable	**$119.70**	**3+ $116.25**	**6+ $114.10**

COCONUT EROSION CONTROL BLANKET

Up to 1:1 slope. Made of 100% coconut fiber with double, photodegradable netting. Protect soil from erosion up to 3 years. Conforms to any soil contour. Use on slopes, drainage channels and shorelines. Recommended for 1:1 slopes or steeper and high flow channels. Each roll measures 8′ x 113′ and covers up to 100 square yards. Priced per roll. Ship wt 56 lb.

C4000	**$208.95**	**3+ $202.26**	**6+ $198.08**

SSB-7117

UP TO 3:1 SLOPES

STRAW BLANKET

A degradable option for erosion control, with 100% straw fill. 99% weed free, stitched with degradable thread. Choose single netting for 3:1 slopes and low-flow channels, or double netting for 3:1 or 2:1 slopes and medium flow. Photodegradable polypropylene netting has a 12 month life. Weight .52 lb per sq yd. **4 ft rolls carry Oversized UPS shipping charges. 8 ft rolls ship motor freight.**

Item	Netting	Dimensions	Ships	Ship wt	Price	3+	6+
SSB-7117	Single	8′ x 113′	M/F	52 lb	**$59.18**	**$57.29**	**$56.10**
SSB-4180	Single	4′ x 180′	UPS	41 lb	**$57.78**	**$55.93**	**$54.78**
DSB-7117	Double	8′ x 113′	M/F	56 lb	**$66.33**	**$64.21**	**$62.89**
DSB-4180	Double	4′ x 180′	UPS	41 lb	**$64.45**	**$62.39**	**$61.10**

AEC PREMIER STRAW WATTLES

AEC Premier Straw Wattles consist of the finest weed seed free agricultural straw fibers encased in a durable netting. Straw wattles are dense by nature, thus they pool water unlike sediment logs that allow water to filter through. Straw wattles may be placed across channel bottoms to pool water and reduce flow velocities. They are primarily used on hill slopes, to break up the slope lengths and slow overland flow. Straw wattles are typically installed in a 2″ deep trench along the contour of the roll. They are to be installed perpendicular to the slope or direction of flow and secured by wood stakes every 4′. Spec sheets, installation instructions, and slope spacing, and more documents available upon request. Only available in pallet quantities, MOTOR FREIGHT DELIVERY.

Item	Dia.	Length	Pallet Qty
740800	9″	25′	18
740820	12″	10′	36
740850	20″	10′	18

CALL FOR PRICING

CURLEX: 3-4 MONTH EROSION CONTROL FOR FASTER GROWTH

CURLEX® FROM AMERICAN EXCELSIOR – Biodegradable excelsior blanket with netting, for temporary erosion control and speedy re-vegetation of slopes and waterways. Clings to the soil with "barbed" fibers to reduce soil loss and strengthen its foundation. Retains moisture and provides a protective blanket for germinating seeds. Contains NO weed seeds. Made from Aspen wood fibers, a renewable resource. Acts as a mulch and adds nutrients to the soil during breakdown. 80% of fibers are 6" or longer. Consistent thickness, conforms to soil surfaces. No chemical additives. 4' rolls UPS shippable, 8' rolls are MOTOR FREIGHT DELIVERY. **Visit the product page at amleo.com for installation instructions, staple patterns and specs.**

CURLEX® I: NET ON ONE SIDE UP TO 1.5:1 SLOPE

Extruded plastic netting on one side breaks down in sunlight in 90-120 days. For re-vegetation of slopes in a single season. Recommended for slope to 1.5:1, channels to 5 fps. Weighs .73 lb per sq yd. Dyed green.

C4101	4' x 112.5'	Ship wt 50 lb	**$64.41**	**3+ $62.35**	**6+ $61.06**
C8101	8' x 112.5'	Ship wt 100 lb	**$85.40**	**3+ $83.95**	**6+ $83.05**

CURLEX® II: NET ON BOTH SIDES UP TO 1.5:1 SLOPE

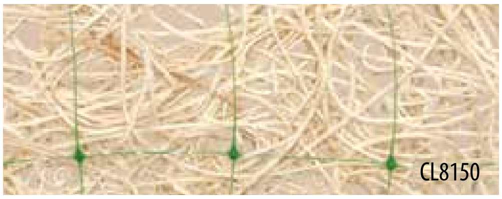
Extruded plastic netting on both sides for durability in high water areas. Netting breaks down in sunlight in 90-120 days, for a single growing season's coverage. Recommended for slopes to 1.5:1, channels to 5 fps. Weighs .73 lb per sq yd. Meets ODOT and most other specifications for ditch linings. Dyed green for instant color.

C24101	4' x 112.5'	Ship wt 50 lb	**$77.55**	**3+ $75.07**	**6+ $73.52**
C28101	8' x 112.5'	Ship wt 100 lb	**$109.82**	**3+ $106.95**	**6+ $105.16**

CURLEX® CL BLANKET: NET ON ONE SIDE UP TO 2.5:1 SLOPE

Biodegradable excelsior blankets now available in a lighter weight version to provide good establishment of vegetation for slopes of 2.5:1. Blanket consists of a unique barbed, interlocking, curled Aspen excelsior fiber and a single-net layer that breaks down in approximately 90 days. Curlex® CL provides a longer roll than standard Excelsior blankets for more coverage area. Weighs .5 lb per square yard. Natural color.

CL8150	8' x 150'	Ship wt 66 lb	**$108.91**	**3+ $105.68**	**6+ $103.66**



CURLEX® NETFREE™ 100% BIODEGRADABLE: UP TO 3:1 SLOPE

Aspen fibers are stitched together with biodegradable thread. The entire product breaks down over time, eliminating netting hazards, but keeping the proven benefits of Curlex® fiber. Use for golf courses, residential projects, environmentally sensitive areas, etc. Slopes 3:1 and flatter, channels 3' sec. Shear stress 1 lb per sq ft. Weighs .73 lb per sq yd. Natural in color.

CNF890	8' x 90', 80 sq yd	Ship wt 71 lb	**$119.29**	**3+ $116.95**	**6+ $115.49**

REDUCE SEDIMENT RUN-OFF!

TENAX

Silt Fencing

Designed specifically to reduce sediment run-off from or to protected areas. A unique combination of soil filtering and water flow control to meet the demands of clay soils. Durable polypropylene with UV stabilizers to resist degradation. **Includes 11 stakes per roll.** Ship wt 26 lb.

SILT3	3' x 100'	**$59.84**	**3+ $57.93**	**6+ $56.73**
SILT2	2' x 100'	**$43.34**	**6+ $41.95**	**12+ $41.09**

CURLEX® SEDIMENT LOGS

Curlex® Sediment Logs consist of an outside, open weave, containment fabric filled with Curlex® aspen fibers. This provides a flexible, light weight, porous, sediment control device demonstrating the ability to conform to terrain details, dissipate water velocity, and filter contaminated flows. Note that sediment logs allow water to filter through their porous matrix. Whereas straw wattles are more dense thus they pool water to reduce flow velocities. Sediment logs allow a higher GPM flow while filtering sediment to reduce soil loss. Water filters through the sediment log, not underneath, naturally reducing the velocity of water runoff. Sediment is collected on the upstream side of the excelsior fiber log. Install Curlex® over bare soil or over rolled erosion control products for a variety of jobsite applications such as slope interruption, intet protection, and perimeter control. Spec sheets, installation instructions, and slope spacing, and more documents available upon request. Only available in pallet quantities, MOTOR FREIGHT DELIVERY.

Item	Dia.	Length	Application	Pallet Qty
422509	9"	25'	Mild Flow	18
421012	12"	10'	Med. Flow	36
421020	20"	10'	Heavy Flow	18

CALL FOR PRICING

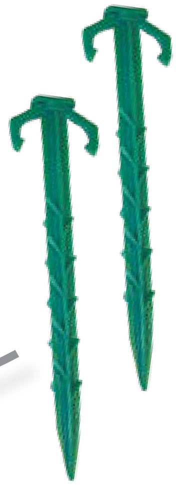
FABRIC SECURING SOLUTIONS

SESD1
SEDBIO

STAPLE EASE™ PRO STAPLE DRIVER

Install Staples Right™ with Staple Ease™. With its durable and quality construction for year after year use, get off your knees and save 50% or more in installation time by installing staples efficiently with this versatile and useful tool. A must for any contractor who install staples, Staple Ease™ was designed by a landscape contractor for contractors. The stainless steel driving rod and solid aluminum handle will drive in staples right time after time while lasting years. With its interchangeable feet, this versatile tool has feet to easily install drip irrigation, low-voltage wiring and more.* **Made in the USA!**

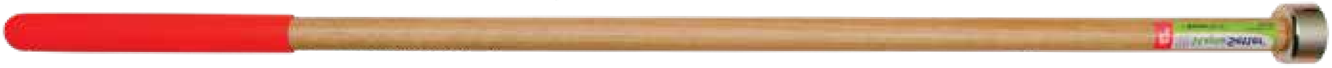
Item	Description	Ship wt	Price	3+	6+
SESD1	Pro Staple Driver	4.4 lb	**$329.79**	–	–
SEDBIO	Bio Pro Driver	4.4 lb	**$329.79**	–	–
SESDIR	Irrigation Attachment	.2 lb	**$38.89**	**$37.74**	**$37.02**
SESB1	Staple Bag with Belt	.45 lb	**$14.00**	**$13.68**	**$13.49**



ECO TURF BIODEGRADABLE STAKES

Mother nature's favorite stakes. Finally a reliable staking option. Utilizing a new technology invented in Europe, Ecoduty stakes break down and biodegrade in 24-36 months. Steel staples are unsafe since they rust, have limited holding power to keep them in the ground, and can cause significant harm or injury. Ecoduty stakes have significantly more holding power due to the ribbed design, which collect soil. Great option for parks, schools or residential jobs where safety of the jobsite is a concern. Safer than metal. **Box of 100 stakes.**

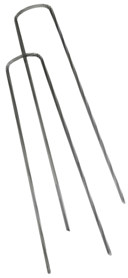
EDS4	4″ long	Ship wt 1.5 lb.	**$21.83**	**3+ $21.23**	**6+ $20.86**
EDS6	6″ long	Ship wt 2 lb.	**$23.64**	**3+ $22.90**	**6+ $22.43**



STAPLE SETTER

Makes setting staples easy. 42″ handle with magnetic grip pushes staples all the way into the ground. For use with 1″ steel staples of any length. No more bending down, stepping on staples, or bent staples. Use for erosion control blankets, landscape fabrics, geotextile fabrics. Also for use in wet areas, rough terrain, steep slopes, ditch banks or tight spots. Ship wt 2.5 lb.

SS42 $81.96 3+ $80.45 6+ $79.51



ANCHOR PINS FOR NETTING AND LANDSCAPE FABRIC

Use these anchor pins with erosion control blankets and landscape fabrics. Size: 6″ x 1″ x 6″. 11 gauge.

Item	Pins	Ship wt	Price	3+	6+
616AP	500	18.4 lb	**$49.74**	**$48.15**	**$47.15**
AP1000	1000	34.8 lb	**$79.14**	**$77.22**	**$76.01**

MAGNETIC ROUND PIN DRIVER

Save your back! The powerful magnetic head on this manual driver holds the round top pin in place at the end. Simply stab it into the ground, and friction will keep the pin down as you lift the driver away. No parts to jam or break. 38″ wooden handle. Use with round top pins (RTP6). Ship wt 2 lb.

MD38 $56.86 3+ $55.56
6+ $54.74

ROUND TOP PINS

Manufactured from 11 ga high-strength steel wire. Measures 6″ long, with a 1-3/8″ diameter head. Holds 5 times the surface area of a typical U-shaped staple. Helps reduce labor cost, improve installation, and ensure the success of your next project! Box of 1000 pins. Ship wt 32 lb.

RTP6 $64.49 3+ $63.04 6+ $62.13

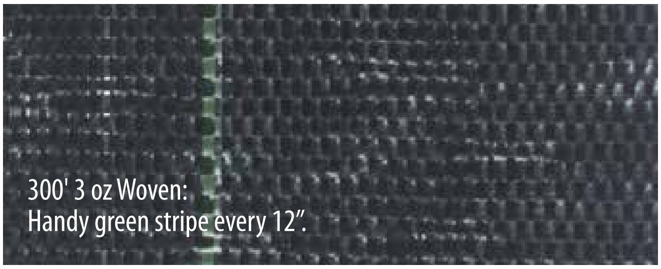
FABRIC PIN WITH WASHER

Fabric Pins are an excellent way to hold ground cover and landscape fabrics in place during installation. They can also be used to secure erosion control mats in some soft, loose soils. Drive pin into soil while washer prevents the materials from pulling through. Made from 6-gauge steel. Fastening pins come in 12" and 18" lengths. The washer diameter is 1-1/2". **Box of 100 pins.**

12″ Pin Ship wt 13 lb
FPW12 $64.78 3+ $63.68 6+ $63.00

18″ Pin Ship wt 18 lb
FPW18 $74.60 3+ $73.27 6+ $72.44

WOVEN FABRIC ADVANTAGES



300' 3 oz Woven:
Handy green stripe every 12".

3 OZ WOVEN STYLE GROUND COVER

Block grass and weeds in your container fields and greenhouses. Simply roll out and tack it down. Green stripes every 12" for easy plant alignment. Provides years of service. Tough 3 oz UV stabilized polypropylene. Resists tears and punctures, yet permeable to water and nutrients. Priced per roll. **UPS shippable (10′ or longer, ships motor freight).**

Item	Width	Length	Ship wt	Price	4+	8+
GC33	3′	300′	22 lb	**$88.33**	**$85.50**	**$83.74**
GC43	4′	300′	34 lb	**$106.35**	**$102.95**	**$100.82**
GC63	6′	300′	44 lb	**$166.18**	**$163.64**	**$162.06**
GC103	10′	300′	76 lb	**$276.06**	**$267.23**	**$261.70**
GC123	12′	300′	86 lb	**$365.51**	**$353.81**	**$346.50**
GC153	15′	300′	110 lb	**$414.11**	**$400.86**	**$392.58**

5-YEAR WARRANTY
BOTTOM
TOP

5 OZ WOVEN STYLE LANDSCAPE FABRIC

Keeps your landscaping looking sharper longer! Effectively blocks weeds & seed germination reducing the need for chemicals and weeding. Tightly woven polypropylene 5 oz fabric, needle punched, and UV stabilized. 98.7% opaque to light. Permeable to air, water and other valuable nutrients. Will not rot, mildew or become brittle. Easy to install. 5 year limited manufacturer's guarantee. Priced per roll. **UPS shippable (8′ or longer, ships motor freight).**

Item	Width	Length	Ship wt	Price	3+	6+
325S5	3′	250′	28 lb	**$119.22**	**$115.40**	**$113.02**
425S5	4′	250′	37 lb	**$139.72**	**$135.25**	**$132.45**
525S5	5′	250′	47 lb	**$169.80**	**$164.37**	**$160.97**
625S5	6′	250′	56 lb	**$199.93**	**$193.53**	**$189.53**
825S5	8′	250′	73 lb	**$259.33**	**$251.20**	**$246.13**
125S5	12′	250′	122 lb	**$379.53**	**$372.57**	**$368.23**

STANDARD TURF REINFORCEMENT NET

Turf Reinforcement (TR) ground protection is a very strong, high density polyethylene green net that provides an extremely stable surface suitable to withstand the loading of cars and lightweight trucks. The durable net protects land from wheel rutting and ensures a good grasp for grass roots, making it ideal for parking during events, concerts, and exhibitions, or wherever a natural green environment is appreciated. This "go Green' product is natural looking, UV stabilized, cost effective, and easy to install. It also helps reduce storm water run off, a common concern with traditional asphalt and concrete. Size: 6.7′ x 100′. Mesh size: 1.375" x 1.25". Ship wt 88 lb.

TTR100 $459.14 3+ $447.86 6+ $440.81

3D TURF REINFORCEMENT NET- Supports up to 8 tons!

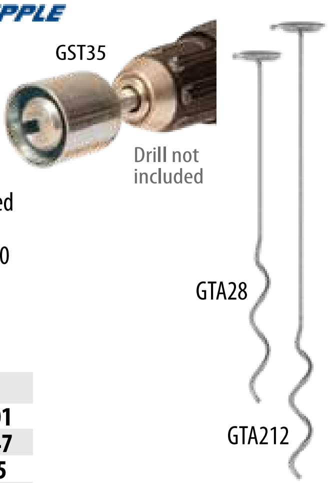
Keep-It-Green is a high density foam polyethylene (HDPE) extruded net with a three-dimensional structure composed of a series of overlapped and crossed filaments. The high mechanical performance of Keep-It-Green protects the grass by absorbing horizontal pressure and equally distributing the load. The structure also ensures effective anchoring of grass roots, thus efficiently protecting the grass from being worn away. The dimensional and shape characteristics of this product mean that the reinforcement layer will not shift during use. Size: 6.7′ x 50′. Ship wt 69 lb.

KIG50 $548.92

THE BEST ANCHOR PIN FOR PERMANENT INSTALLATION.

GRIPPLE® HIGH LOAD TWIST ANCHOR PINS

Gripple® high load twist anchors hold all types of landscape fabrics, erosion control and turf reinforcement matting securely in place. Available in 8" and 12" lengths, gripple twist anchor pins provide superior load bearing and pull out resistance when compared with traditional straight staples or pins. And they help maintain tension in the fabric or matting necessary to ensure constant contact with the ground. Thick 9 gauge steel wire construction is designed for use in all soil types. The round top design measures 1-3/8" in diameter. This spreads the load and eliminates the need for a washer. Twist anchor pins are installed using any standard electric drill (not included) equipped with a gripple twist anchor chuck. Quick and easy to install this method is up to 10 times faster than installing traditional pins, and much less labor intensive. Installing twist anchors ensures minimal damage to fabric or matting, limiting weed infiltration. **Sold in a case of 150 twist anchors.**



GST35
GTA212

Item	Description	Ship wt	Price	10+	20+
GTA28	8" twist anchor pins, case of 150	15 lb	**$156.13**	**$151.13**	**$148.01**
GTA212	12" twist anchor pins, case of 150	20 lb	**$189.31**	**$183.25**	**$179.47**
GST35	3-1/2" anchor chuck	.5 lb	**$17.88**	**$17.37**	**$17.05**
GXL14	14" anchor chuck	1 lb	**$22.30**	**$21.67**	**$21.27**

QUICKSTRAW
PREMIUM LONGLEAF PINE STRAW
2x
10x

NEW CLEANSTRAW PREMIUM PINE STRAW

Swift Straw Premium "Long Leaf" Pine Straw is a decorative landscape beautification product. By compressing pine straw into packaging, one package of CleanStraw is equivalent to more than two loose bales of pine straw. The compressed pine straw expands when opened and spreads easily. One 25 lb package of CleanStraw covers up to 100 sq ft! For over 50 years pine straw has been the prominent ground cover in southern states. Add this vibrant southern staple to your landscape no matter where you live. With the easy to carry, no mess packaging of CleanStraw, you can now have pine straw delivered to your door! Now available in Bulk Pallet of 40 bags for best price per bag!

2001 Single Bale
$23.31 3+ $22.56 6+ $22.10

2001-40 Bulk Pallet
$599.99 3+ $587.10 6+ $579.04

SRW
GC3
3' x 50'
GROUND COVER

SRW GC3 WOVEN 3 OZ, 3' X 50'

SRW woven polypropylene geotextiles provide excellent puncture and tear resistant strength. This 3oz ground cover has planting stripes for easy alignment. Ship wt 4 lb.

FGC3-350
$20.15 3+ $19.53
6+ $19.14

POLY MULCH SHEETING, BLACK

In the garden black mulch films retain heat, moisture, and prevent competing weeds all of which increases crop yields. The black color increases soil temperatures, making it ideal for winter and early spring crops. Can also be used under mulch or stone for landscape weed barriers. 1000' long. 1.5 mil thick.

3015B 3' wide **$119.74 3+ $116.66 6+ $114.74**
4015B 4' wide **$149.73 3+ $146.42 6+ $144.36**

SRW
MULCH STABILIZER

DRIES CLEAR!

https://youtu.be/01GXpX5p7m0

SRW MULCH STABILIZER – Keep mulch looking amazing all season long with this must-have landscaping product. It locks mulch in place, prevents weed growth, enhances color, and offers UV protection extending the life of ground cover materials! It can also be used on sand or dirt to control dust in decorative areas. Stabilizing ground covers will prevent washout from rain, effects of wind. SRW's Mulch Stabilizer covers up to 200 sq ft per gallon, and is ideal for ground cover materials 1/4" to 2" in length. This liquid-bonding agent dries clear and remains flexible and permeable – allowing water and nutrients to pass through. Apply when the temperature will stay between 50ºF and 80ºF for 48 hours before and after the install. Available in 1 gallon or 5 gallons. **Made in the USA!**

MULCH-1GAL 1 gal. Ship wt 9 lb **$49.26 6+ $48.04 12+ $47.27**
MULCH-5GAL 5 gal. Ship wt 44 lb **$199.58**

RIGID PANEL ROOT BARRIER

These mechanical barriers redirect root growth downward. Border hardscapes to **create a linear planting application, or connect to encircle the root ball for surround planting**. Black, molded, modular panels are 50% recycled polyethylene with ultraviolet inhibitors, .085" thick. Vertical 90° root-deflecting ribs every 6" protrude 3/4". Interlocking, anti-lift panels in 2' long segments slide together to create various lengths. Each panel can be separated into 1' sections. **Made in the USA.**

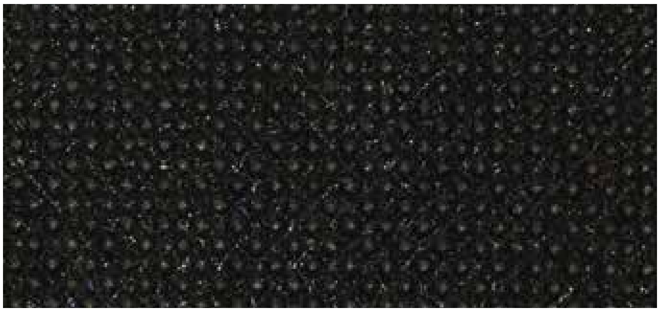
12" H (80 Linear ft per box). Ship wt 39 lb.
RB12 $192.17 6+ $186.81 12+ $183.46

18" H (52 Linear ft per box). Ship wt 43 lb.
RB18 $224.51 6+ $217.33 12+ $212.84

24" H (40 Linear ft per box). Ship wt 43.8 lb.
RB24 $192.17 6+ $186.81 12+ $183.46

NON-WOVEN FABRIC ADVANTAGES:

- Very easy to cut and install
- Extremely lightweight
- Easier to work with and handle
- Treated to allow water to easily pass through
- UV-resistant material (cover with mulch to last longer)



360' 4 oz Non-Woven:
Mulch over when landscaping!

3 OZ NON-WOVEN POINTBOND FABRIC

3oz non-woven Pointbond fabric offers excellent drainage that allows nutrients to pass through to the root zone. Pointbond fabric is ideal for use around plants in gardens and landscapes. This fabric is tear and puncture resistant but is very easy to cut to size and shape - easy to install around plants and ideal for installing in curved landscape beds. This uniform fabric blocks sunlight to suffocate existing weeds and protect against any weed growth from the soil underneath. A versatile and cost effective weed barrier, pointbond is commonly used by professional landscapers and gardeners alike. Often used in landscaping, under mulch or stone. Pointbond offers excellent UV resistance and can also be installed above grade, uncovered. The most cost effective ground cover option, it is perfect for use as a seasonal or semi-permanent ground cover in gardens. Available in a variety of sizes to fit various applications.

Item	Width	Length	Ship wt	Price	3+	6+
SBB-330	3′	300′	20 lb	**$109.37**	**$105.87**	**$103.68**
SBB-430	4′	300′	27 lb	**$149.53**	**$144.75**	**$141.75**
SBB-630	6′	300′	42 lb	**$219.50**	**$212.48**	**$208.09**
SBB-830	8′	300′	54 lb	**$297.44**	**$287.92**	**$281.97**

4OZ NON-WOVEN DRAINAGE & FILTRATION FABRIC

Non-Woven, Needle Punched Fabric is manufactured with polypropylene fibers formed into a dimensionally stable network. 4 oz non-woven fabric is made to a 80 x 80 lb tensile strength specification. This unique fabric offers excellent strength and longevity. It is rot, mildew, and UV resistant. And is inert to commonly encountered soil chemicals. Non-woven needle punch fabric allows for high water flow, and prevents soil erosion. Commonly used for filtration and drainage system installation and offers drainage protection. It is also used as an underlayment, separates sub-grade soil from aggregate under sidewalks, roads, and patios. To prevent unwanted erosion and heave. Priced per roll. **UPS shippable (12.5′ wide NW4-236 ships motor freight).**

Item	Width	Length	Ship wt	Price	3+	6+
NW4-336	3′	360′	40 lb	**$171.87**	**$166.37**	**$162.93**
NW4-436	4′	360′	40 lb	**$227.71**	**$220.42**	**$215.87**
NW4-636	6′	360′	80 lb	**$329.73**	**$319.18**	**$312.58**
NW4-236	12.5′	360′	120 lb	**$498.58**	**$487.09**	**$479.91**

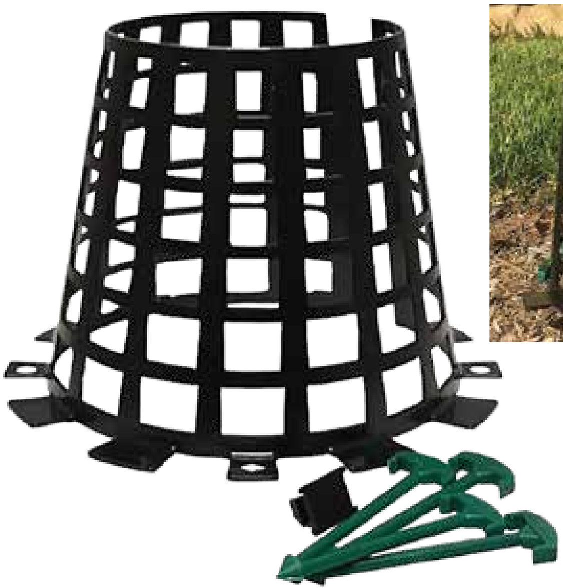
BEFORE
AFTER

NEW GURUMULCH™ PREMIUM MULCH COLORANT

Bulk mulch products used for landscape beautification are rapidly produced and color is quickly and cheaply added using an inferior dye. All mulches are destined to fade very quickly, typically lasting only one season. GURUmulch™ is a premium mulch colorant designed to restore faded and weathered mulch back to its original vibrancy and depth. Blended with patented polymer innovation that increases adhesion and longevity for a result that is unrivaled on the market. GURUmulch™ will save money, time, and labor by simply applying a superior, longer lasting colorant to mulch. GURUmulch™ offers a vast savings in cost and labor when compared to replacing landscaping bed coverings season after season.

Recommended 15:1 mix ratio requires 8 oz of colorant to 1 gallon of water. Which means the convenient 1 quart serving can be mixed directly into a common 4 gallon sprayer, with 480 oz of water. 4 gallons of mix covers 800-1,200 sqft. Auburn Pine can be used to freshen up pine straw covered areas as well as red mulches. Also available in popular Jet Black and Chestnut Brown. Ship wt 2.5 lb. **Made in the USA!**

Item	Color	Price	3+	6+
30301	Auburn Pine	**$27.25**	**$26.46**	**$25.97**
30201	Chestnut Brown	**$27.21**	**$26.43**	**$25.94**
30101	Jet Black	**$27.16**	**$26.38**	**$25.90**



NEW PLANT KNIGHT PLANT AND TREE GUARD

Plant Knight protects saplings, new plants, trees and more from weed eaters, garden shears, lawn mowers and animals. The Plant Knight tree guard measures 6" tall and features a breathable, open mesh design to allow ventilation for sun, water and air to reach the plant. The flexible design allows trees to grow freely with no chance of girdling. While the heavy duty construction surrounds the object shielding it from damage related to trimming, mowing, and other tasks that can damage plants, saplings, etc. Sustainably produced with recycled materials, the Plant Knight is made to withstand years of abuse from industrial outdoor equipment. Also guarding against varmints, critters and more. The tree guards can be used individually - 1 tree guard can be quickly and easily installed to surround plants up to 3"" in diameter. Each kit includes 4 stakes and 1 connecting clip per tree guard. These versatile tree guards can also be connected together to surround larger diameter plants. Available in Green and Black. **Made in the USA!**

Item	Includes	Ship wt.	Price
PKBL3	3 Plant Knights, 12 Stakes, 3 clips	.8 lb	**$19.95**
PKGR3	3 Plant Knights, 12 Stakes, 3 clips	.8 lb	**$19.95**
PKBL9	9 Plant Knights, 36 Stakes, 9 clips	2.3 lb	**$35.95**
PKGR9	9 Plant Knights, 36 Stakes, 9 clips	2.3 lb	**$35.95**

MUTT MITT
Singles

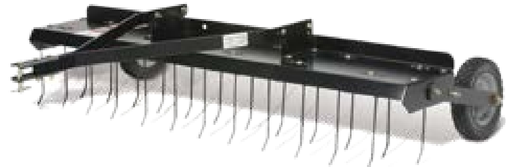
MUTT MITTS PARK KIT

Get control of pet waste! Unique system allows you to place dispenser and bags where pet waste problems occur. By allowing pet owners to assume responsibility for their pet waste cleanup, you can reduce maintenance time by over 250 hours per year. Rust-proof dispensers can be mounted anywhere. Mutt Mitts are strong and 100 degradable. Thick bags work better and get used more often than thin grocery bags. Don't split or break and provide excellent leakage and odor control for users. Bags are attached to a header card and won't get tangled and make refilling easy. Dispenser boxes are made of all weather aluminum with tamper resistant locks. Holds up to 400 bags. Sold as a kit with dispenser and bags or individually.

MM2401 Kit: dispenser and gloves.
Buy as a kit and save! **$269.24**

Dispenser Box only
2401 **$145.37**

Gloves, pack of 2000
2660 **$134.62**



Tow-Behind Dethatcher

The Brinly Tow-Behind Dethatcher offers a 48" working width. It features two rows of 12 triple coil strength spring steel tines. These two rows of tines flex independently of one another. A heavy-duty steel tray holds up to 200 lb for additional support. A universal trailer hitch fits all riding lawn/garden tractors and ZTR mowers with a rear hitch plate. Thatch buildup prevents water, air, and nutrients from reaching your lawn's root system. The Brinly Tow-Behind Dethatcher gently combs away this debris to the surface, allowing vital elements to pass through. Once extracted, you can mulch the thatch with mower blades or remove it using a sweeper or lawn vacuum. Brinly covers this product with a two-year warranty! **UPS shippable.** Ship wt 37 lb.

DT48 **$197.38**

Hand Push Aerator

Sharp, 8" dia. steel spikes for deep aeration. 14" spiking width; steel weight pan holds additional weight for deeper penetration. Ship wt 35 lb. MOTOR FREIGHT DELIVERY.

8P **$256.98**

Poly Push and Tow Roller

Brinly designed their Combination Lawn Roller as both a push and tow-behind roller. This roller features a 24" wide, 18" diameter polyethylene drum that holds up to 28 gallons of water. An extra-wide opening allows for faster filling and emptying. A scraper bar above the drum removes debris as it rolls. Brinly's universal hitch pin fits any riding lawn/garden tractor and ZTR mower with a rear hitch plate. The durable polyethylene drum resists denting and will never rust. Its rounded ends won't damage your lawn during turns. Brinly covers this product with a two-year warranty! Ship wt 39 lb.

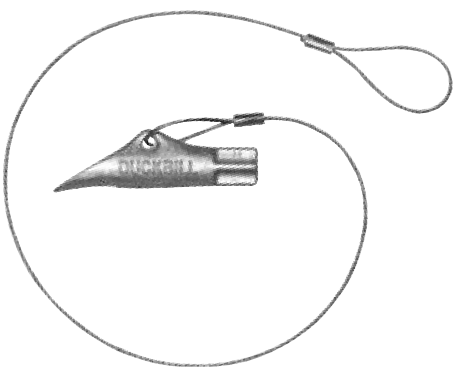
PRC24 **$215.02**

Tree Support Kit
Duckbill Professional System

DUCKBILL LANDSCAPE KITS

3 anchors with guying cable, 3 guying hoses, cable clamps and turnbuckles for quick, economical, efficient installation! Vinyl-coated cable for added safety. Note: turnbuckles not included with 40AK kit. Price per kit.

Item	Tree dia.	Cable Length	Ship wt	Price
40AK	Up to 3″	12′	.5 lb	**$45.47**
68AK	Up to 6″	13′	5 lb	**$72.39**
88AK	Up to 11″	15′	8 lb	**$179.37**



DUCKBILL EARTH ANCHORS

MacLean DuckBill®earth anchor assemblies provide effective, lightweight, economical solution for any anchoring application. DuckBill anchors are used to secure items that can be stolen, moved, or blown down. Anchors are driven into the ground for a safe environmentally friendly solution. After fully inserted into the soil, an upward pull to the anchor rotates the anchor, "load locking" the anchor into a perpendicular position. Intended for light duty applications in normal soils. Duckbill anchors are manufactured from aluminum alloys rated up to 3,000 lb. **Now sold in Case QTYS for best cost per Anchor!**

Item	Cable Size	Rating	Qty	Price	10+	20+
40DB	1/16″ x 20″	300 lb	50	**$399.87**	–	–
68DB	1/8″ x 30″	1,100 lb	24	**$268.47**	**$263.02**	**$259.62**
88DB	1/4″ x 42″	3,000 lb	12	**$259.62**	**$255.47**	**$252.88**

DUCKBILL EARTH ANCHOR HAND DRIVE RODS

Whether driving anchors by hand with a hammer or using equipment, heavy duty steel drive sets provide simple and effective installation.

DR1 36″ x 1/2″ steel rod for 68DB. **$25.16** **10+ $24.50** **20+ $24.09**

30″ x 3/8″ zinc electroplated steel rod with 1/4″ tapered tip for 40DB.
DR2 **$10.49** **10+ $10.31** **20+ $10.20**

DR3 48″ x 3/4″ steel rod for 88DB. **$79.47** **10+ $78.05** **20+ $77.16**

EK680

FOR TREES UP TO 6″ IN DIAMETER

EK400

EK880

BETTER BILT UNDERGROUND ROOT BALL SUPPORT KITS

A 100% underground root ball support system designed secure trees or shrubs in place by the root mass. Ideal for keeping new plantings in a straight, upright position in areas where above ground staking and cabeling is unsafe or simply not an option. Great for anchoring plants in tight areas, along walkways or roads. And it is safe for public areas like parks and schools where above ground cabel or stake support systems are undesirable. Each rootball kit comes with all the components to anchor one tree: 3 earth anchors pre-assembled with wire cables and D-rings, and one hand ratchet strap, (driving rod sold separately). To install, dig out with extra work space to install the anchor points. Drive the earth anchor into the ground until only the cable loop and D-ring are above ground. Set the anchor by pulling up on the D-ring until no additional movement is noticed. Position the tree in the center of the anchor points and thread the strap through the D-rings in the desired pattern. Last, just tighten strap and backfill!

Item	Tree Dia.	Capacity	Ship wt	Price	10+
EK400	Up to 2″	300 lb	1.3 lb	**$33.63**	**$32.83**
EK680	Up to 3″	1,100 lb	2.25 lb	**$76.20**	**$74.18**
EK880	Up to 6″	3,000 lb	4.2 lb	**$97.31**	**$94.91**

EARTH ANCHORS

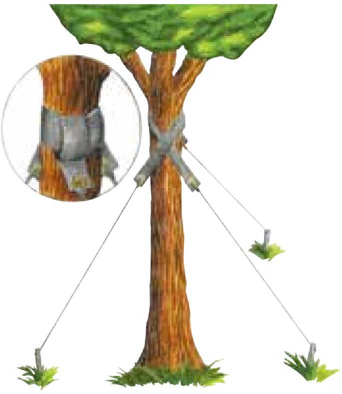
Manufactured from grade 50 steel for rugged strength and finished with orange enamel paint for excellent visibility... anchor almost anything, with ready-made, instant holding power. Retrievable and reusable. Priced per anchor. **Made in the USA.**

3″ dia x 18″ long. Ship wt 1.5 lb.
3153 **$13.54** **10+ $13.11** **20+ $12.84**

3″ dia x 27″ long. Ship wt 2 lb.
3303 **$10.74** **10+ $10.43** **20+ $10.24**

4″ dia x 37″ long. Ship wt 3.3 lb.
4044 **$19.39** **10+ $18.77** **20+ $18.38**

6″ dia x 45″ long. Ship wt 6.3 lb.
6046 **$29.42** **10+ $28.48** **20+ $27.89**



TREE STAKING KIT

Staking trees with professional results is now a one-person job! Keeps trees from 2-1/2" to 4" diameter supported and straight. Kit includes three 15" reusable stakes; unique non-girdling strap; pliable tree rope. Ship wt 2 lb.

RS15 $11.87 10+ $11.53 20+ $11.32

TREE-GUY ARROW ANCHOR KIT

The Tree-Guy patented Arrow™ anchor kit is a quick an easy solution for supporting newly planted trees up to 3" diameter. Made from toughened nylon, the arrow anchor is the cornerstone of the system. Each anchor is assembled with 12' of non-stretch woven polypropylene 3/4" Tree-Tie™ webbing and includes a cam buckle assembly. Arrow anchors are easily driven into the ground with a standard 4' length 1/2" steel pipe. After installed simply pull upward on Tree-Tie webbing to "set" the anchor and obtain maximum holding power. Finally wrap the webbing around the desired anchor point, trunk, or limb. Then use the Quick-N-Easy™ spring-loaded Cam-lock buckle to adjust length and tension. Kit includes 3 anchors each complete with 12' of Tree-Tie webbing and cam buckle - everything you need to support 1 tree. Ship wt 1 lb.

TG4B $29.98 10+ $29.37 20+ $28.99

TREE SAVER STAKING KITS

Commercial strength rubber supports promote root development and installs in just minutes! Tree Saver stakes are good for root development because the straps are flexible allowing the tree to slightly sway naturally. This signals roots to spread for the correct stability as the tree matures.

Item	Dia.	Length	Stake	Ship wt	Price	10+	20+
3-Packs Straps, stakes and hooks to make three individual anchor assemblies							
TS40	1/4"	4-1/2'	11"	1 lb	**$18.72**	**$18.27**	**$17.99**
TS60	3/8"	5'	16"	2 lb	**$31.43**	**$30.70**	**$30.24**
Bulk Kit Enough for 10 trees. Heavy duty consisting of 30 straps, stakes & hooks							
TS616	3/8"	6'	16"	18 lb	**$278.96**	**$273.91**	**$270.75**

ORIGINAL TREESTRAPS®

2024B-20
1018-20

These Original Treestraps® feature a woven, non-stretching polypropylene construction. Each reusable, weather-resistant strap includes two #1 brass grommets. They measure 1" in width and 24" long. The Original Treestraps® is ideal for guying newly-planted trees. These strong yet gentle straps support the tree while protecting its cambium layer. Installation requires no special tools. Use two to three straps per tree. These straps have a tear strength of 200 lb and are recommended for trees up to 3" in diameter. Correctly staking your newly-planted trees is essential to protecting their fragile root system. The Original Treestrap® is the choice of today's professional landscaper due to its optimal strength during root establishment. **Sold in bags of 20 straps.** **Proudly made in the USA!**

1018-20	Beige, 20 pk	**$17.52**	**10+ $17.20**	**20+ $17.00**
2024B-20	Black, 20 pk	**$21.90**		

TREE STAPLE

The Tree Staple is constructed from uncoated, cold-rolled, plain carbon steel that will rust and dissipate in the soil over time so there is nothing to remove later. Provides stability but allows for natural trunk movement stimulating root growth. Don't let unsightly wires and stakes detract attention away from your landscaping job, use Tree Anchor Staples instead. Use two staples per tree for standard applications, sold individually.

Item	Description	Ship wt	Price	10+	20+
TST24	24", 1"-2" caliper	3 lb	**$37.57**	**$36.69**	**$36.14**
TST36	36", 2"-4" caliper	5 lb	**$39.47**	**$38.55**	**$37.98**
TST42	42", 4"-6" caliper	6 lb	**$42.97**	**$42.00**	**$41.40**
TST48	48", 6"-8" caliper	6 lb	**$44.56**	**$43.58**	**$42.97**

SPEED STAKE® ANCHOR SYSTEM CASE OF 48 ANCHORS

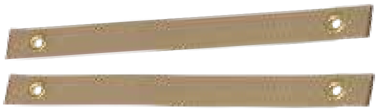
A low cost anchoring system that offers quick installation and is used to support trees up to 5" in diameter. The Better Bilt Speed Stake features a 14ga zinc plated steel anchor head equipped with an 8ga galvanized wire shaft. This 31" wire shaft features a loop end attachment point. The Speed Stake anchor head offers 9 square inches of surface area for superior hold once installed and set. Anchor holding capacity varies based on solid type. Expect up to 460 lb holding capacity in less dense soils; up to 900 lb in heavy soils. Sold by the case of 48 Speed Stake Anchors, enough to support 16 trees. The Installation Rod is required to install and set Speed Stake Anchors. Simply use Tree Tie Webbing to attach from the anchor to the tree. **Made in the USA!** Ship wt 22.2 lb.

SSA48 $184.74 10+ $180.83 20+ $178.39

Driver for Speed Stake. Ship wt 10 lb.
SSD $159.94

SUPERIOR QUALITY TREE TIES AND SUPPORTS. SPECIALLY DESIGNED FOR CONTRACTORS, ARCHITECTS, AND GROWERS.

TREESTRAP® BIODEGRADABLE PRODUCTS – The Original Treestrap® company is proud to provide the landscape industry with the latest development in biodegradable tree guying products. That's right, the complete Treestrap® product line is now available in a strong and environmentally friendly material! Treestrap® Biodegradable products are manufactured using only virgin cotton fibers to meet strength and use requirements of Mil-W-530-ty, Class I. The natural cotton fiber of the biodegradeable tree straps with break down and compost, only the brass grommet or tack fastener will remain. Biodegradable tree straps virtually eliminate the risk of girdling the tree offer piece of mind following the installation of new trees.



THE ORIGINAL TREESTRAP®

Correctly staking your newly planted trees can make a difference in protecting their fragile root system. It is as important as good soil preparation. The Original Treestrap® is the choice of today's professional landscaper for guying & protecting newly planted trees. Engineered strong enough to deter vandals yet gentle enough to protect the cambium layer. Measuring 1″ wide a variety of lengths are available to accomodate various installation situations. The high-performance, non-stretch polypropylene offers a simple and effective approach to supporting newly planted trees. Designed for optimal strength during crucial root establishment, Treestraps have a tear strength of up to 200 lb. Install using 2-3 straps per tree. Recomended for up to 3″ caliper trees. Weather resistant poly tree strap can be re-used. Ship wt 3 lb. **Polypropylene straps sold in bags of 100, Biodegradable straps sold in a bag of 50.** **Made in the USA!**

Item	Material	Length	Qty	Price	10+	20+
1012	Polypropylene	12″	100	**$119.80**	**$115.97**	**$113.57**
1018	Polypropylene	18″	100	**$138.79**	**$134.35**	**$131.57**
2024B	Polypropylene	24″	100	**$142.41**	**$137.85**	**$135.00**
3712	Biodegradable	12″	50	**$76.92**	**$74.46**	**$72.92**
3718	Biodegradable	18″	50	**$67.56**	**$66.47**	**$65.78**

NEW TREE STRAPS

Simple tree support solution for securing newly planted trees during crucial root establishment stages. The breathable and reusable woven polypropylene construction of these straps are now available in the popular 1-1/2" width. Each weather-resistant strap includes two #1 brass grommets. Ideal for guying newly-planted trees. These strong yet gentle straps support the tree while protecting its cambium layer. Installation requires no special tools. Use two to three straps per tree. These straps have a tear strength of 200 pounds and are recommended for trees up to 3 inches in diameter. These 1-1/2" wide straps are available in 18" and 24" lengths. Sold in a bulk package of 100 straps. **Made in the USA!**

101815	1-1/2 x 18″	**$138.79**	**10+ $134.35**	**20+ $131.57**
102415	1-1/2 x 24″	**$139.52**	**10+ $135.06**	**20+ $132.26**

HARDWOOD STAKES

Made from solid hardwood, these tree stakes are ideal for outdoor use in staking or guying. **Sold in bundles of 25.** Each stake is approximately 7/8″ x 1-1/8″ thick. Various lengths to choose from. Larger quantities, please call for quote.

Item	Length	Ship wt	Price	5+	10+
SK2	24″	18 lb	**$35.94**	**$34.99**	**$34.40**
SK3	35″	28 lb	**$37.76**	**$36.76**	**$36.13**
SK4	47″	36 lb	**$62.89**	**$60.61**	**$59.19**
SK5	58″	51 lb	**$53.21**	**$51.92**	**$51.12**

TREESTRAP® VSTRAP

The innovative Vstrap is very versitile, effective, and easy to install. Developed for use in high wind locations, the VStrap can also be used in any application that a tree strap is used. Proper installation of this tree collar creates a pocket and transfers any stress to the parallel stakes. This pocket not only supports new plantings, but allows them to sway naturally and develop strength and stability without constriction. Measuring 1" wide by 9" long. Made of Polypropylene, Vstraps are recommended for up to 2" caliper trees. Ship wt 2 lb. **Sold in bags of 50 straps.** **Made in the USA!**

1018V	Polypropylene	**$74.82**	**10+ $72.43**	**20+ $70.93**
3718VN	Biodegradable	**$63.13**	**10+ $61.99**	**20+ $61.27**

GALVANIZED WIRE OPTIONS

Galvanized wire in a 10 lb spool. Ship wt 10 lb.

GW1210 12 ga, 336′ per spool
$49.51 **10+ $48.04** **20+ $47.13**

GW1410 14 ga, 585′ per spool
$49.36 **10+ $47.93** **20+ $47.04**

GRIPPLE TREE SECURING SOLUTIONS

https://youtu.be/S3RLkBdUOIA

GRIPPLE® PREMIUM ROOT BALL KITS

Gripple Premium Root Ball Kits share the same benefits of the standard kits with the addition of the gripple Dynamic Range. This allows adjustment of the anchor points to ensure the correct and most secure installation of the tree by guiding the loops and strap into the best position. Root ball kits are 100% underground anchoring systems that eliminate trip hazards and provide a clean look. Anchoring trees by the root mass reduces tipover and damage from high wind storms. Drive Rod tools are essential for installation (sold separately).

EACH KIT INCLUDES:

- 3 Gripple Ground Anchors with attached cable tendon
- 1 Ratchet Strap
- 3 Gripple Fasteners
- 1 Setting Key
- 3 Quick links for connecting anchor braces to the strap

For trees 10′ high/6″ dia. Ship wt 3.8 lb.
GPRBK2 $40.98 10+ $39.83 20+ $39.11

For trees 15′ high/10″ dia. Ship wt 4.7 lb.
GPRBK3 $57.05 10+ $55.54 20+ $54.60

For trees 25′ high/18″ dia. Ship wt 6.7 lb.
GPRBK4 $76.14 10+ $73.96 20+ $72.61

https://youtu.be/Yg0niClh1xo

GRIPPLE® TREE GUYING KITS

Gripple's revolutionary Tree Guying Kits utilize the highest quality ground anchors, cables and Gripple joiners and tensioners. And unlike any other tree bracing system, Gripple tree guying kits utilize Gripple joiners. These one of a kind, patented Gripple Joiners allow the bracing system to be tensioned and retensioned. Simply use the tensioning tool and a Gripple setting key to apply, release, and adjust tension at any time. Tree guying kits stabilize trees to protect against damage from high wind. And applying tension to the tree braces promotes vertical tree growth. Drive Rod tools are essential for installation (sold Separately).

EACH KIT INCLUDES:

- 3 Gripple Ground Anchors, with attached cable tensions
- 6 Gripple Fasteners
- 1 Setting Key
- 3 Quick links
- 3 protective rubber sleeves, and safety webbing kit

For trees 8′ high/5″ dia. Ship wt 3.4 lb.
GTGK2 $38.54 10+ $37.31 20+ $36.54

For trees 15′ high/10″ dia. Ship wt 4.9 lb.
GTGK3 $54.02 10+ $52.29 20+ $51.21

For trees 25′ high/18″ dia. Ship wt 7.5 lb.
GTGK4 $61.38 10+ $60.00 20+ $59.14

https://youtu.be/DwQKchVxVOw

GRIPPLE® PALM BRACING KITS

Provide Immediate stabilization for your newly planted palms and proper root establishment from day one. Unlike any other tree bracing system, Gripple Palm bracing kits utilize Gripple joiners that can be quickly re-tensioned in the event of settlement. The one of a kind, patented Gripple Joiners also allow the bracing system to be fully adjustable. Simply use the tensioning tool and a Gripple setting key to apply, release, and adjust tension to palm trees at any time. Palm Bracing kits stabilize trees to protect against damage from high wind. And applying tension to the tree braces promotes vertical tree growth and root establishment. Gripples above ground palm bracing kits utilize highest quality ground anchors and cables. Drive Rod tools are essential for installation (sold separately). **Made in the USA!**

EACH KIT INCLUDES:

- 3 Gripple Ground Anchors
- 3 Pieces of ZnAL cable
- 3 Gripple Fasteners
- 1 Setting Key
- 3 Quick links
- 3 24″ orange safety webbing

Item	Tree Size High/Dia	Work Load	Ship wt	Price
DPBK33	30′/10″	800 lb	4.9 lb	**$86.86**
DPBK44	40′/18″	1,320 lb	7.5 lb	**$99.15**

NEW GRIPPLE® PLUS WIRE JOINERS, BAG OF 20

These joiners are completely adjustable and are not limited to a certain working length. This Gripple Plus range of wire joiners and tensioners quickly and easily join and tension wire and cable. These joiners feature an aircraft-grade zinc body. They utilize centered ceramic rollers for optimal corrosion resistance. This bag contains 20 joiners. Gripple Plus Wire Joiners are suitable for a wide range of growing and landscaping applications. Use them for trellising in vineyards, berry patches, hop yards, or tree nurseries. Their simple push fit design maintains the inherent strength of the wire used. The ceramic rollers bite directly into the steel wire, creating a secure lock that can be released, adjusted, and re-tensioned at any time.

Item	Qty	Wire Size	Max Load	Price	5+	10+
GPS20	20	17 to 14 swg	600 lb	**$30.66**	**$30.15**	**$29.83**
GPM20	20	14 to 10 swg	880 lb	**$37.75**	**$36.87**	**$36.32**
GPL20	20	10 to 7.5 swg	1,320 lb	**$44.87**	**$44.22**	**$43.81**

GRIPPLE® BRACING KITS FOR INDIVIDUAL ANCHORS

Gripple's Landscape Bracing Kits are designed to be paired with the specified Gripple Ground Anchor for a fully adjustable bracing system. This revolutionary system utilizes the patented Gripple Joiner. These one of a kind Gripple Joiners allow the bracing system to be easily adjusted and tensioned. Gripple's Landscape Brace Kits can be used to add additional above ground attachment points.

For anchors GBA23 and GBA34
GPAK3 Ship wt .9 lb **$6.18 10+ $6.04 20+ $5.95**

For anchor GBA44
GPAK4 Ship wt 1.1 lb **$9.21 10+ $8.94 20+ $8.78**

GRIPPLE® TENSIONING TOOL

The unique Gripple system allows tension to be applied to the brace system with the Gripple Tensioning Tools. Use the #54BX Torq Tool to deliver up to 880 lb of load easily and accurately, this tool features a six to one gear ratio. The Torq Tensioning Tool is lightweight and compact. The #74BX all-metal Contractor Tensioning Tool is strong, robust and built to withstand years of wear and tear. Featuring long metal handles and a 10:1 gear ratio, the Gripple Contractor Tool is built for the toughest jobs. Each Tensioning Tool is designed to pull 1/16" to 1/4" cable through Gripple products/components. Both Torq and Contractor Tools work with all Gripple products/components offered by A.M. Leonard.

Torq Tensioning Tool. Ship wt 2.6 lb
54BX $69.87 10+ $68.30
20+ $67.33

Contractor Tensioning Tool 7. Ship wt 5.5 lb
74BX $145.91 10+ $142.86
20+ $140.95

GBA34
GBA23
GBA44

GRIPPLE® BADGER GROUND ANCHORS

Gripple's revolutionary bracing and anchoring solutions start right here with their Badger Anchors. Gripple manufactures the highest quality ground anchor available. These compact, underground anchors are designed for quick installation into a variety of soils. Each anchor comes complete with a high quality Zinc / Aluminum wire and features a reinforced loop end. Pair the Badger Anchors with Gripple's Bracing Kits for a fully adjustable bracing system that installs in seconds. The unique Gripple system also allows tension to be applied to the brace with the optional tensioning tools. Anchors must be set before load is applied. To load-lock the anchor pull upward on the top loop of the anchor. Anchors must be load-locked before final tension is applied. Please Refer to Gripple Brace Kits and Gripple Drive Rods to find related installation tools and supplies! There is a optional bracing kit for each anchor for attaching the anchor to the object. The specified Gripple drive rod is essential for installing Gripple Ground Anchors. There are also optional installation tools that help efficiently install large amounts of anchors.

Item	Anchor	Cable Size	Load	Ship wt	Price	10+	20+
GBA23	2	3' x 2mm	1,600 lb	.8 lb	**$11.49**	**$11.17**	**$10.98**
GBA34	3	4' x 3mm	3,900 lb	.9 lb	**$16.65**	**$16.12**	**$15.79**
GBA44	4	4' x 4mm	8,300 lb	1.5 lb	**$17.73**	**$17.23**	**$16.92**

GRIPPLE® CABLE CUTTER

Small cable cutters are designed for cutting cable from 1/8" to 5/32" diameter. Features hardened steel jaws for durability. Ship wt .7 lb.

GCUTTER $41.89 10+ $40.90 20+ $40.27

GRIPPLE® BRACING KITS FOR INDIVIDUAL ANCHORS

Gripple's Landscape Bracing Kits are designed to be paired with the specified Gripple Ground Anchor for a fully adjustable bracing system. This revolutionary system utilizes the patented Gripple Joiner. These one of a kind Gripple Joiners allow the bracing system to be easily adjusted and tensioned. Gripple's Landscape Brace Kits can be used to add additional above ground attachment points.

For anchors GBA23 and GBA34
GPAK3 Ship wt .9 lb **$6.18 10+ $6.04 20+ $5.95**

For anchor GBA44
GPAK4 Ship wt 1.1 lb **$9.21 10+ $8.94 20+ $8.78**

GRIPPLE® ANCHOR SETTING TOOL

Optional tool for setting all Gripple Ground Anchors at ground level. Heavy-duty steel loop and hook design intended to be used with Gripple drive rods or JACKJAW® Set and Extract Tool. Ship wt 1.2 lb. **Made in the USA!**

GTSET $29.76 10+ $29.16 20+ $28.79

GRIPPLE® DRIVE RODS

Essential for installation of Gripple ground anchors, these drive rods are capable of penetrating the toughest soils. After driving the Gripple anchor to the desired depth, drive rods can be removed by hand, post puller or JACKJAW. **Each standard drive rod is 4' in length, 3/4" in diameter**, and features a specific head profile that matches up to the anchor being installed. 6' L drive rod can be used to drive GBA34 and GBA44 anchors below grade. Contractor grade, hardened steel drive rods are robust, designed to handle thousands of anchor installations. While the cost effective, standard duty drive rods are perfect for smaller jobs. For installation of various Gripple Tree Support Kits, please refer to the anchor being used in the kit to ensure you purchase the correct drive rod. Ship wt 6 lb. **Made in the USA!**

Item	Description	Anchor Install	Price	10+	20+
GDR2-CIV	Hardened Steel	Installs GBA23	**$156.13**	**$151.13**	**$148.01**
GDR34-CRS	Standard Duty	Installs GBA34 GBA44	**$53.11**	**$52.02**	**$51.34**
GDR34-CIV	Hardened Steel	Installs GBA34 GBA44	**$143.08**	**$139.97**	**$138.02**
GDR46-CIV	6' Hardened Steel	Installs GBA34 and GBA44 anchors with loop below grade	**$155.20**	**$152.27**	**$150.43**

GRIPPLE® STRIKE PLATE FOR DRIVE RODS

Extend the life of your Gripple Drive Rods with this heavy-duty strike plate. This strike plate protects the drive rods when driving anchors into the ground. Measuring 2" in diameter, the strike plate offers a larger striking surface for installation. Ship wt 2.4 lb.

2STRIKE $43.38 10+ $42.50 20+ $41.94

GIVE A CLEAN EDGE TO ANY DESIGN!

DIMEX NO-DIG PLASTIC LANDSCAPE EDGING KITS

Heavy-Duty No-Dig Landscape Edging provides quick and easy installation of clean-looking bed lines. This durable edging has an L-shaped profile and installs on the ground surface, eliminating the need to dig or trench for installation. This makes No-Dig Edging ideal for use around trees and adjacent to sidewalks as it installs over tree roots or along paved surfaces, where digging can be problematic. Use No-Dig Edging to pin down weed fabric. And this 1-1/2" tall edging is also designed to keep ground cover materials in your garden beds. Ideal for retaining materials like mulch, pine needles, pebbles, river rock, lava rock, and more. The patented No-Dig L-shaped design will give a clean edge to any shape garden or create tight circles around trees. Simply clear the area of debris and loose dirt, and lay the edging along in the desired shape. Each No-Dig edging kit comes heavy duty 8" plastic spiral stakes, and edging connectors. The bottom of the edging has pre-formed tabs for quick installation of the stakes. This edging can easily be cut with garden shears or utility scissors. 40' and 100' provide plenty of edging for use in multiple garden beds, simply cut edging to length and connect two ends together with the provided connectors. Dimex Landscape Edgings are manufactured from recycled polyethylene compound that offers superior flexibility and workability versus other edging products. **Made in the USA!**

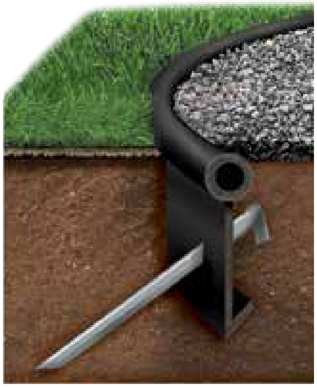
Item	Length	Ship wt	Price	6+	12+
NODIG-20	20'	4.3 lb	**$20.14**	**$19.64**	**$19.33**
NODIG-40	40'	8.5 lb	**$44.90**	**$43.54**	**$42.68**
NODIG-100	100'	21.5 lb	**$99.37**	**$96.19**	**$94.20**

DIMEX PROLIP LANDSCAPING EDGING KIT

Stands up to low temperatures and ultraviolet rays!

Dimex ProLip Edging offers the longest 1-1/4"V-lip on the market. This edging features a durable recycled polyethylene construction. Each piece measures 20' in length and 5" from top to bottom. Dimex tops this edging with an extra-wide 1" diameter tube. Each edging kit includes four 9-1/2" steel stakes and a single 8" connector. Dimex ProLip Edging Kits give you a bold, traditional edge. This edging combines a heavy-duty design with a flexible material. This combination makes it easy to shape and curve around landscaping beds. The extra-wide top tube makes ProLip Edging safe for high foot traffic areas. ProLip Edging offers superior flexibility. Dimex manufacturers this edging with an extra-heavy top bead. This design provides it with excellent protection against frost heave and UV rays. Dimex makes this product in the USA!

1018B **$22.82** **6+ $22.37** **12+ $22.09**

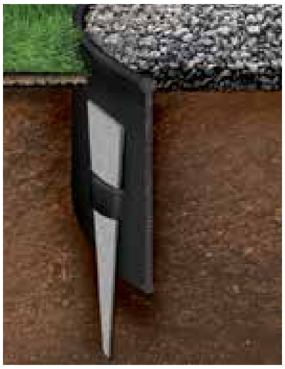


OLY-OLA BLACK JACK POLY LAWN EDGING KIT

A safe choice in high pedestrian areas! Heavy duty edging won't rot or rust; minimum frost heave. 5" wide with 1"-V hook at base, 1" diameter bead on top.

- Easy to bend and shape along curving beds and walks
- Safer than metal in high foot traffic areas - no sharp edge to cause injury in a fall
- Sold in longer pieces to install faster and to create long uninterrupted runs

Item	Description	Ship	Price	6+	12+
452CEB	Kit of (1) 20' edging, (4) 9" anchor stakes and (1) 6" connecting plug. **UPS Deliverable.**	8 lb	**$27.40**	**$26.52**	**$25.98**
41SK	Bundle of 4 stakes and 1 plug	.5 lb	**$9.58**	**$9.27**	**$9.08**
452AC	90° angle connector to make corners	.5 lb	**$6.21**	**$6.04**	**$5.94**



OLY-OLA SUPER EDGE PLASTIC EDGING KIT

The low profile design is nearly invisible in the ground and is a safe alternative to metal, wood or concrete edging. Super Edge can also be used above ground and at the base of fences to save time and money while string trimming. 6" depth allows for great versatility, including concrete forms. Bends around curves, or form any shape around patterns. Heat with torch and bend when molding to severe angles. Use it in water gardening applications with pond liners. Constructed from super strong poly vinyl and carbon black concentrate. Kit includes a 6" x 100' roll, plus 25 non-bending 15" steel stakes, and 2 connecting H-clips. Ship wt 65 lb.

SE100 **$258.68** **6+ $250.40** **12+ $245.23**

5 Extra Stakes
SCSE-10 **$8.22** **6+ $8.08** **12+ $8.00**

SS10-50
SM10-50

STEEL LANDSCAPE SPIKES

These 10", non-galvanized steel spikes bond with the soil as they rust, resulting in a secure hold. Choose between spiral or smooth style stakes. Each works great for use with any type of paver edging and timber. **Sold in a 50 lb box.**

SS10-50	Spiral	250 count	**$98.68**	**6+ $96.85**	**12+ $95.71**
SM10-50	Smooth	160 count	**$103.83**	**6+ $101.12**	**12+ $99.42**

CREATE DEFINED, ORGANIC BEDS!

Quick and easy! Cut and install!

Brown
Black

Brown
Black

ADDITIONAL STAKES & FASTENERS

4-Pack Brown Stakes, Ship wt 1.9 lb
A1212BR **$16.54** **3+ $16.01**
6+ $15.68

4-Pack Black Stakes, Ship wt 1.9 lb
A1212BL **$14.93** **3+ $14.45**
6+ $14.15

36-Pack Fasteners, Ship wt .5 lb
1430FAST **$5.98**

LEONARD LUMBER EDGE LANDSCAPE EDGING KITS

Provides beautiful aesthetics of natural wood grain, yet preforms like a flexible plastic. Quickly becoming the most preferred landscape edging solution. This safe, cost effective, and environmentally friendly edging is extremely durable. Produced almost entirely of recycled HDPE materials, Lumber Edge is weather resistant and results in millions of pounds of land fill diversion. Ideal for creating organic curves and shapes in landscapes, it is flexible enough to create a 24" radius!

Not only does Lumber Edge outlast steel and aluminum edgings, its 3/4" thick profile leaves no sharp edges. The safest option for high foot traffic areas. Measuring 3-3/8" tall, Lumber Edge is made from a continuous 30' roll of flexible composite material. This edging is easily cut to length or modified with common wood working tools, perfect for a wide variety of custom applications. Use lumber edge to define landscape beds, install tree rings, create a raised garden bed, form concrete, and much more!

Each kit is packaged in a convenient **UPS Ground Shippable** box. Includes everything you need to install 30' of edging: (1) 30' roll of landscape edging, (12) 12" edging stakes, and (1) package of 36 fasteners. Ship wt 33.5 lb. **100% Made in the USA!**

A1430BR	Brown	**$144.56**	**3+ $140.39**	**6+ $137.79**
A1430BL	Black	**$139.97**	**3+ $135.71**	**6+ $133.04**

LUMBER EDGE ADVANTAGES:

SAFE	EASY TO INSTALL	DURABLE	VERSATILE	UNIQUE	ECO FRIENDLY
3/4" thick durable plastic profile is kid and pet safe. Ideal for areas with high foot traffic.	Can be trimmed and cut like common lumber, using common wood working tools.	Easily stands up to the normal use of power tools like weed-eaters and edgers.	Easily form tree rings, outlining curved landscape beds, gravel paths and patios.	Natural redwood grain finish adds a unique texture to any landscape.	Manufactured using post-consumer recycled HDPE bottles, resulting in millions of pounds of land fill diversion.

COLMET
DEFINED BY STEEL

> ☆☆☆☆☆
> "Good product...was easy to install. It is very sturdy and durable."
> – Matt W., IN

MADE IN THE USA!

1012G
1012B
1012BR
1012U

COL-MET STEEL LANDSCAPE EDGING

Commercial grade 12 gauge steel edging—This powder-coated edging is the best choice for professional use and high traffic areas. Durable, rigid, and lasts longer than many other edgings. 10′ edging has a thickness of 12 gauge and is 4″ wide. 12″ tapered stakes are 10 gauge, enameled steel. Bundle of 4 stakes included with each 10′ section. When calculating quantity, allow 8″ deduction per section due to overlap connection. Available in green, black, brown, and raw steel. **Bundle of 5, 10′ sections.** MOTOR FREIGHT DELIVERY.

Item	Color	Price	6+	12+
1012G	Green	**$264.88**	**$256.40**	**$251.11**
1012B	Black	**$264.88**	**$256.40**	**$251.11**
1012BR	Brown	**$264.88**	**$256.40**	**$251.11**
1012U	Raw Steel	**$259.25**	**$250.95**	**$245.77**

STEEL TREE RING SECTIONS

Perfect edging around trees or circular planting beds in durable 14 ga steel. Each section includes 3 snap-apart stakes. Multiple sections form a ring: 3 sections make a 3′ diameter ring, 4 sections make a 4′ ring, and 5 sections make a 5′ ring. Priced per section. Ship wt 4 lb.

Item	Color	Price	6+	12+
14TRS	Green	**$19.51**	**$18.89**	**$18.50**
14TRS-BLK	Black	**$19.51**	**$18.89**	**$18.50**
14TRSB	Brown	**$19.51**	**$18.89**	**$18.50**
14TRSU	Raw Steel	**$17.90**	**$17.33**	**$16.97**

PROFESSIONAL LANDSCAPE EDGING BENFEFITS

- Permanently defines the landscape bed
- Significant savings in maintenance expenses from constant manual edging
- Ensures clean lines throughout landscape to maintain the original design intent
- Creates a permanent separation of aggregates (such as mulch) in contained areas
- Properly installed, landscape edging adds value to the home or business

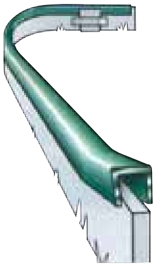
THE STEEL EDGING ADVANTAGE:

- Incredibly long-lasting, steel edging survives years of abuse in any weather
- String trimmers and mowers are very unlikely to cause significant damage
- Install it once and never worry about it again – saves money over its lifetime
- The best choice for high traffic areas

CORNER STAKES

Join two pieces of cutoff edging to make a perfect 90˚ corner. 14 ga steel. Ship wt 2 lb.

Item	Color	Price	6+	12+
14CS	Green	**$5.44**	**$5.35**	**$5.29**
14CSB	Black	**$9.85**	**$9.53**	**$9.34**
14CSBR	Brown	**$5.44**	**$5.35**	**$5.29**
14CSU	Raw Steel	**$6.42**	**$6.25**	**$6.14**



25VTC

25' VINYL TRIM CAP

Provides a plastic cover on the top of the edging for swimming pools and other high pedestrian traffic areas. Ship wt 2 lb.

Item	Color	Price	6+	12+
25VTC	Green	**$23.33**	**$22.80**	**$22.47**
25VTCB	Black	**$23.33**	**$22.80**	**$22.47**
25VTCBRN	Brown	**$23.33**	**$22.80**	**$22.47**

SPLICING STAKES

Attach two pieces of cut-off edging, also covers the gap where grade changes are made. 14 ga steel. Ship wt .5 lb.

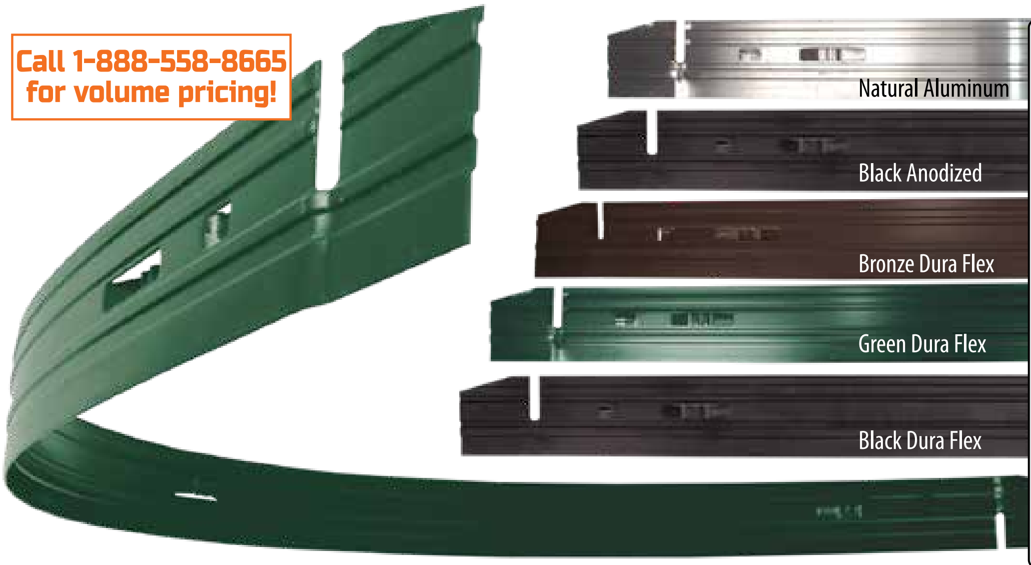
Item	Color	Price	6+	12+
14SS	Green	**$4.07**	**$4.00**	**$3.96**
14SSB	Black	**$6.79**	**$6.57**	**$6.44**
14SSBR	Brown	**$4.07**	**$4.00**	**$3.96**
14SSU	Raw Steel	**$4.42**	**$4.30**	**$4.23**

ADDITIONAL EDGING STAKES

Use these stakes to replace or supplement the stakes included with your COL-MET edging kit. Extra stakes help when forming more dramatic curves with edging. Using extra stakes can also provide additional security when holding edging in place. 10 ga. steel stakes are 12″ long. **Sold packs of 4.** Ship wt 2 lb.

Item	Color	Price	6+	12+
10XSG-4	Green	**$9.66**	**$9.35**	**$9.16**
10XSB-4	Black	**$9.66**	**$9.35**	**$9.16**
10XSBR-4	Brown	**$9.66**	**$9.35**	**$9.16**
10XSU-4	Raw Steel	**$8.94**	**$8.65**	**$8.48**

Call 1-888-558-8665 for volume pricing!



The aluminum edging advantage:

- Lifetime endurance makes the cost of aluminum edging lower than any other product
- Crisp, straight lines can be achieved with minimal effort
- High strength aluminum alloy withstands years of maintenance abuse
- Aluminum edging is environ mentally friendly & made from recycled material

permaloc
THE WORLD'S BEST LANDSCAPE EDGING.

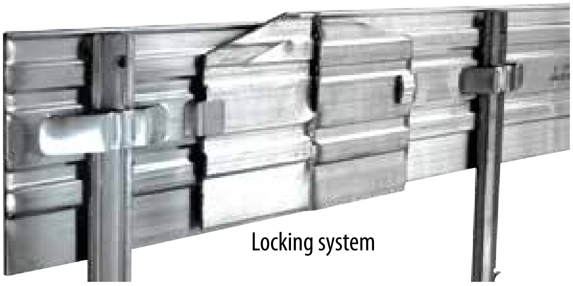
PERMALOC ALUMINUM EDGING

Easy, labor saving installation; easy to curve, angle and cut; no rusting, cracking or rotting; resistant to frost heave! CleanLine is the attractive, effective, low-maintenance solution for establishing and retaining a crisp, permanent edge for landscape beds. Measuring 4" tall this 1/8" thick aluminum edging is available in 8' and 16' sections. When calculating quantity needed, allow 8" deduction per section due to overlap connection. Available in 5 popular color and finish options: Aluminum Mill Finish, Black Duraflex, Green Duraflex, Bronze Duraflex, and Black Anodized. The 8' edging kit contains 15 sections for 120' of edging and includes 45, 12" stakes. The 16' edging kit contains 15 sections for 240' of edging and includes 75, 12" sakes. **8' and 16' kits Require Motor Freight Delivery.** **Made in the USA!**

Item	Case of 15	Stakes	Price	6+	12+
Mill — Natural Aluminum					
10350	8' x 4"	45ct. 12"	**$399.39**	**$392.16**	**$387.64**
10300	16' x 4"	75ct. 12"	**$783.72**	**$768.59**	**$759.14**
*Black Anodized — Absorbed into aluminum; holds color longer.					
10357	8' x 4"	45ct. 12"	**$498.15**	–	–
10307	16' x 4"	75ct. 12"	**$939.22**	–	–
Black DuraFlex — Baked on finish					
10353	8' x 4"	45ct. 12"	**$450.80**	–	–
10303	16' x 4"	75ct. 12"	**$879.03**	–	–
Bronze DuraFlex — Baked on finish					
10355	8' x 4"	45ct. 12"	**$450.80**	–	–
10305	16' x 4"	75ct. 12"	**$879.03**	–	–
Green DuraFlex — Baked on finish					
10354	8' x 4"	45ct. 12"	**$450.80**	–	–
10304	16' x 4"	75ct. 12"	**$879.03**	–	–

*WHY ANODIZING MATTERS:

Anodizing is a finish that is integrated with the underlying aluminum for total bonding and unmatched adhesion. It is non-hazardous while increasing corrosion and wear resistance. Anodized edging has an extremely long lifespan with less maintenance (usually rinsing or mild soap/water will restore it to "looking like new"). Plus, it does not chip or peel due to the sun's ultraviolet rays.



7G
BA
BD
BZD
ML

STAKES

Non-bending aluminium anchors with deep V design, measures 12" D x 1" W. Priced each. Ship wt .5 lb.

Color	Item	Price
AL12-7G	Green Duraflex	**$3.26**
AL12-BA	Black Anodized	**$3.89**
AL12-BD	Black Duraflex	**$3.26**
AL12-BZD	Bronze Duraflex	**$3.26**
AL12-ML	Mill Finished	**$2.61**

SRW RAPID-SET ADHESIVE

With the fastest set up time on the market, this rapid-set polyurethane adhesive is specially formulated for construction and landscape projects needing a fast set-up time. It can be used on almost any material, even non-porous substrates. VOC Compliant. **Made in the USA.**

APU10	10 oz	**$11.40**	**6+ $11.13**	**12+ $10.96**
APU28	28 oz	**$21.33**	**6+ $20.81**	**12+ $20.49**

SRW VERTICAL INSTANT LOCK ADHESIVE 10 OZ

No mortar! No bracing! Save valuable time by instantly locking stone and other materials in place without sag or slip. Note: VIL10 must be applied with CG02 18:1 thrust ratio caulking gun. **Made in the USA.**

VIL10	**$19.89**	**6+ $19.56**	**12+ $19.35**

SRW 18:1 THRUST RATIO CAULKING GUN

SRW premium caulking guns offer a bold 18:1 thrust ratio that will make light work of the toughest adhesive and caulk. More comfortable and powerful than cheap, throw away versions. This heavy-duty steel, professional grade caulking gun is designed to withstand years of every day use. It features a revolving barrel, spout cutter, and seal puncture tool. Available in 10 oz and 28 oz sizes, the 10 oz premium caulking gun is essential for use with #VIL10 Virtical Instant Lock Adhesive.

CG02	10 oz	Ship wt 2 lb	**$46.91**	**3+ $45.91**	**6+ $45.29**
CG04	28 oz	Ship wt 3 lb	**$49.78**	**3+ $48.70**	**6+ $48.03**

SRW SUPERIOR STRENGTH ADHESIVE

For over 25 years SRW Products Adhesive has proven its performance in countless hardscape projects. This superior strength adhesive using SRW's original Solvent-based formula creates a permanent bond. Extrudes down to 10ºF and works on wet or frozen surfaces – performing in the most extreme working conditions. **Note: LV10 ships direct. Made in the USA.**

Item	VOC Compliant	Size	Price	6+	12+
LV10	No	10 oz	**$89.72** (Case of 12)	**$88.01** (Case of 12)	**$86.94** (Case of 12)
LV28	No	28 oz	**$14.28**	**$14.01**	**$13.85**
AD10	Yes	10 oz	**$8.42**	**$8.20**	**$8.06**
AD28	Yes	28 oz	**$16.75**	**$16.27**	**$15.97**

STAKE-SAFE (T POST AND REBAR SAFETY CAP)

An innovative product that covers the top of a metal stake or T-post. Fits all size T-post and rebars. Stake-SAFE is designed to prevent scratches and scrapes to individuals who come into contact with an exposed T-Post. Stake-SAFE also protects animals such as cattle, horses, and family pets. Stake-SAFE has a smooth rounded top, impact absorbing design. Unique design makes it quick and easy to install. High-density polyethylene, UV Protected. NO tools needed. Self locking and reusable. **Made in the USA. Pack of 10.** Ship wt 1.4 lb.

Item	Color	Price	10+	20+
SS1007W	White	**$13.88**	**$13.59**	**$13.40**
SS1007G	Green	**$13.88**	**$13.59**	**$13.40**
SS1007OR	Orange	**$13.88**	**$13.59**	**$13.40**

SRW PRODUCTS
Universal Geogrid
6' x 50'
Universal Geogrid
4' x 50'
3 Series Geogrid
4' x 50'

SRW BI-DIRECTIONAL GEOGRID

SRW Geogrid is composed of high molecular weight, high-tenacity multifilament polyester yarns that are woven into a stable network placed under tension and coated with PVC. Universal, bi-directional geogrid is for retaining walls up to 6′ tall and 3 Series, bi-directional geogrid is for retaining walls up to 10′ tall. **Made in the USA.**

Item	Ship wt	Dim.	Avail.	Price	3+	6+
SRW Universal Geogrid - For walls up to 6′						
GEO-U650	14 lb	6′ X 50′	Ships Direct	**$104.47**	–	–
GEO-U450	9 lb	4′ X 50′	In Stock	**$79.93**	**$78.67**	**$77.88**
SRW 3 Series Geogrid - For walls up to 10′						
GEO-3450	9 lb	4′ X 50′	In Stock	**$89.77**	**$88.09**	**$87.04**
GEO-3650	14 lb	6′ X 50′	Ships Direct	**$116.40**	–	–

EZ STREET ASPHALT
EZ STREET ASPHALT

MAKES REPAIRS EASY!

EZ STREET ASPHALT COLD PATCH

EZ Street® specially engineered their Cold Asphalt Patch to fix potholes permanently. This polymer-modified, high-performance material also repairs utility cuts, overlays, and edge work. It works on both asphalt or concrete surfaces, and will work in all weather conditions – rain, snow, ice, etc. EZ Street® Cold Asphalt works right out of the bag. It requires no mixing or tack coating and is ready in 3 simple steps: First, sweep debris from the area. Next, fill the hole a few inches above your desired grade. Finish by compacting. The area is instantly ready for traffic! **Made in the USA.** MOTOR FREIGHT DELIVERY.

EZ50	50 lb bag	**$27.29**	**3+ $26.91**	**6+ $26.67**
EZ1T	1 ton bulk sack	**$998.63**		

SRW PRODUCTS

SRW WOVEN STABILIZATION FABRIC, FOLDED

https://youtu.be/G71WXxg0_Q0?t=437

Start at 7:17

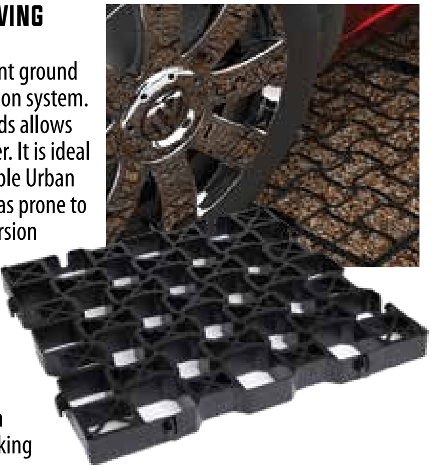
FSS5-1227

SRW
SS5 12.5' x 27'
STABILIZATION / SEPARATION

SRW's woven polypropylene geotextiles provide excellent puncture and tear resistant strength. The primary use of SS5 is soil separation over moderate subgrades. SS5 woven slit films improve the long-term performance of your project 50-70% and can save you as much as 30% in base material costs. Fabric is folded to ship in a convenient 40″ wide roll. **Made in the USA.**

Item	Size	Ship wt	Price	3+	6+
FSS5-1227	12.5′ x 27′	13 lb	**$70.54**	**$69.17**	**$68.32**
FSS5-1254	12.5′ x 54′	24 lb	**$120.81**	**$119.14**	**$118.10**
FSS5-1751	17.5′ x 51′	30 lb	**$163.21**	**$161.00**	**$159.61**

GEOGRID® CELLULAR PAVING SYSTEM



A fast and efficient permanent ground reinforcement and stabilization system. The cellular design of the grids allows the dispersion of excess water. It is ideal for integration into Sustainable Urban Drainage Systems and in areas prone to flooding or with water dispersion problems. GeoGrid® is also ideal for use in car parks, access routes, gateway or entrance areas and more. Manufactured from 100% recycled high-density polyethylene and features an effective and simple interlocking design for fast and efficient installation. Sold individually, each interlocking square measures 19-1/2" by 19-1/2" and is 1-5/8" deep. GeoGrid® can support loads of up to 350 tons per m^2, (load bearing capacity is dependent on ground conditions). GeoGrid® can be filled in with aggregate or decorative stones to provide robust ground reinforcement in areas of high pedestrian or vehicle use and can also be seeded with grass to provide an environmentally friendly and aesthetic solution. Ship wt 2.4 lb. **Made in the USA.**

GEO-24 **$7.49**

DeWitt

DUPONT GROUND GRID

DuPont™ GroundGrid® is a geotextile grid used for ground stabilization in landscape and construction projects. Simply expand the three-dimensional honeycomb structure and fill the cells with gravel, soil, sand, or other material infill to create a strong and stable surface. Covers a 4′ x 25′ area. Note: The smaller 2″ x 2.2″ cell size option makes it the best choice for heavier duty applications like a driveway. The larger 2″ x 4.3″ cell size works best for slopes and hill sides. Folds flat for easy shipping. Ship wt 9 lb.

DPGG-5055	Cell Size: 2″ x 2.2″	**$293.60**
DPGG-50110	Cell Size: 2″ x 4.3″	**$219.57**

A.M. LEONARD
SINCE 1885
14"
AMLEO.COM

https://youtu.be/U3uNNtqm5-g

Start at 0:07

FEATURING: DENSE DIAMOND SEGMENTS, LASER WELDED TO BLADE CORE.

LEONARD 14" GENERAL PURPOSE DIAMOND BLADE

Power through hardscape installs with Leonard's high quality Diamond Blade. Designed to exceed the rigorous demands of today's retaining wall and paver installations. Dense diamond segments offer fast, efficient cutting of cured concrete, pavers, brick, and block. The large, .472" tall, .125" thick diamond segments offer longevity for use on multiple jobs. High quality, laser welds attach diamond segments to the blade core and offer better performance and longer life over sintered segments. Our diamond blade is made to excel in both wet and dry cutting applications. This industry standard 14" diameter blade is equipped with a 1" or 20mm knock out arbor. And with a 5,460 max RPM, it can be mounted to most 14" cut-off saws, masonry chop saws, and low HP walk-behind saws. **Made in the USA.** Ship wt 4 lb.

A14125 $75.46 3+ $73.97 6+$73.04

NORTON 14" BLOCKBUSTER MASONRY SAW

Features an innovative all-steel unibody construction. 14" blade capacity. Equipped with a 3HP brush motor with thermal overload protection. Comes with sealed bearing conveyor cart, garden hose connection, and a channeled flow water pan for wet cutting. Norton 14" general purpose diamond blade included. Cut material up to 8" x 8" x 16". 3600 Max RPM. Ship wt 90 lb.

BBM307 $1,362.52

Folding Stand
235001 $149.48

ECHO CUT-OFF SAW

The CSG-7410 has the highest cutting Torgue in its class. With a unique 2.6:1 gear ratio, Echo's 73.5cc 2-stroke cut-off saw provides exceptional cutting performance. This commercial grade engine offers a decompression valve for superior starting capabilities and a patented 4-stage air cleaning system. The cutting head is reversible for flush cutting near a wall or close to the ground. Equipped with an aluminum handle with rubber over mold, brass water valve and quick release garden hose adapter the CSG-7410 is loaded with professional features. Comes with a 14" diameter masonry abrasive wheel. Backed by a 1 year commercial warranty. Ship wt 24 lb.

CSG-7410 $1,150.21 3+ $1,138.33 6+ $1,130.91

DIAMOND VANTAGE VORTEX DIAMOND BLADES

X400
Vantage

Diamond Vantage designed their X400 Vortex Blade to handle a wide variety of tile and stone materials currently trending in the hardscape industry. These supreme quality diamond blades will cut a wide variety of hard materials, from porcelain and granite tile, natural stones, to standard concrete products like pavers, brick and block. The X400 also makes a good demolition blade and can be used to cut old, hard concrete and reinforced concrete. It features a continuous, 9mm turbo rim height for extended blade life. Its ventilated steel core offers superior cooling. And these blades can be used for both wet and dry cutting applications. Available in a variety of sizes. 12" an 14" diameter blades are 1/8" thick and feature a 20mm to 1" knock out arbor. Intended for use on high speed handsaws, masonry saws, chop saws, and low HP walk behind saws. The 4-1/2" diameter blade is .08" thick and feature a 7/8" to 5/8" knock out arbor that fits all standard angle grinders.

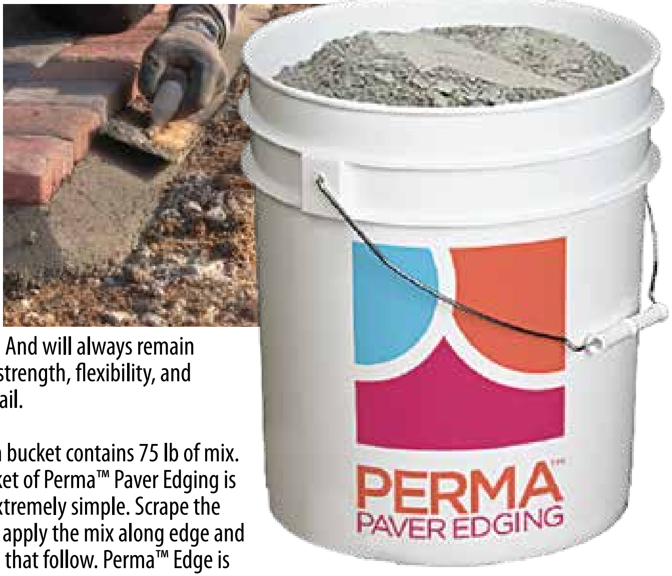
DVUX4	4-1/2" dia., 13,300 RPM	**$39.60**	**3+ $38.55**	**6+ $37.90**
DVUX12	12" dia., 6,300 RPM	**$157.64**	**3+ $153.58**	**6+ $151.04**
DVUX14	14" dia., 5,460 RPM	**$179.51**	**3+ $174.90**	**6+ $172.01**

BOSCH 10 AMP CORDED 4-1/2" ANGLE GRINDER

Provides a multi-grip for user control and comfort during extended use. A powerful 10 amp, 11,500 RPM motor also delivers more power than previous-generation models. It has directed air flow that diverts dust away from vital components, and it has direct-motor cooling, giving it higher overload capabilities. For operator comfort and control, it sports a two-position Vibration Control side handle, making it less jarring to run. Designed for all-day in manufacturing, metal fab and construction. It has a burst-protection quick toolless adjustable guard and a large spindle lock for more convenient disc change. The Service Minderbrushes stop the grinder when preventative maintenance is required. 1 Year Manufacturer Warranty. Voltage: 120V, Spindle thread: 5/8 – 11 UNC. Includes: Backing Flange, Lock Nut, Spanner Wrench, Grinding Guard, Vibration Control Side Handle. Ship wt 7.3 lb.

GWS10-45P $109.96

HARDSCAPING FOUNDATION TOOLS



PERMA™ PAVER EDGING

Perma™ Paver Edging floats and flexes with the foundation of paver projects, creating an extremely long lasting edge restraint that combats the freeze/thaw cycles in cold climates. This cement based product contains a proprietary blend of additives that makes Perma™ Paver Edging 700% more flexible and 40% more permeable than ordinary concrete. A recipe for the best performing paver edge restraint on the market. With over 200 miles of Perma™ Edge installed since its debut 4 years ago. This revolutionary product not only eliminates the infamous heaved plastic paver edging failures. It is also comparable in pricing to most common plastic paver edging options. Cuts down on installation time by 90%. And will always remain completely under the soil/ mulch grade. Perma™ Paver Edging is the perfect mix of strength, flexibility, and permeability. Out preforming traditional paver edge restraints that are destined to fail.

Perma™ Paver Edging ships in a convenient, weather resistant, 5 gallon bucket. Each bucket contains 75 lb of mix. For most common paver projects, 1 bucket will yield 16′ - 24′ of paver edging. 1 bucket of Perma™ Paver Edging is designed to mix perfectly with 1 gallon of water. This makes mixing and applying extremely simple. Scrape the bedding layer away from the paver edge to expose the aggregate underneath. Then apply the mix along edge and smooth with a finishing trowel. Once installed there is no delay in any of procedures that follow. Perma™ Edge is instantly ready to be covered up with soil or mulch. Sand can be applied to the patio and followed immediately by compaction. Visit amleo.com to download installation instructions and review Perma Paver Edging FAQ's! **Proudly Made in the USA.** Ship wt 75 lb.

PE101 $86.09 6+ $83.34 12+ $81.61

CUTS DOWN INSTALL TIME BY UP TO 90%

IDEAL FOR THESE APPLICATIONS:

Open Graded/Clear/Permeable Base:
One bucket of Perma™ Paver Edging will yield approx. 12′ to 18′ of edging. Perma™ will secure your edges, unlike some of the spiked methods, where a spike will not stick into a clear base.

Crushed/Dense Base Applications:
(Most Common) One bucket of Perma™ Paver Edging will yield approx. 16′ to 24′ of edging. Perma™ Edge will make installation a breeze around inside/ outside corners, and curves.

Natural Stone/Porcelain/Tiles:
Perma™ Paver Edging can be used on thin materials down to 1″ thickness. One bucket of Perma™ Edge will yield approx. 24′ to 32′ of edging.

https://youtu.be/N13rT56VbSU

ALUMINUM CONCRETE PLACER

Ideal for concrete and paver work!
One piece, welded aluminum concrete placer with powder-coated handle. Versatile hardscaping and construction tool ideal for concrete and paver work. Spread concrete, and place and grade gravel base with this all-purpose tool.

22-217-B9
$38.54 3+ $37.31 6+ $36.54

STRETCHES OVER 800%!

TREDS 17" STRETCH OVERBOOT

Tough jobs call for the toughest waterproof boots available! Whether it be concrete, mud or manure, TREDS has what you need! TREDS designed their Over-The-Shoe Rubber Slush Boots to go OVER your existing shoe or work boot. These overboots will outperform all other rubber boots. Constructed of premium-quality latex rubber, the one-piece molded design is lightweight and fits like a glove. 17″ shaft height comes just below the knee. These over-boots are not lined. Available in the following sizes: Medium, Large, Large/XL, and XL. **Made in the USA.** Ship wt 3 lb.

Item	Size	Price
17851	MD (7.5-8.5)	**$72.52**
17856	M/L (9-10)	**$72.52**
17852	LG (10.5-11.5)	**$72.52**
17855	LG/XL (12-13)	**$72.52**
17853	XL (14-16)	**$72.52**

TIME SAVING & ESSENTIAL LAYOUT TOOLS

SMART LEVEL PRECISION CONSTRUCTION ALTIMETER

https://youtu.be/yKMJvVWAJac

SMART LEVEL
One TOUGH Level

Smart Leveler's new Construction Altimeter delivers fast, easy and accurate readings even around obstructions. Unlike rotary lasers, it requires no clear line of site to read an elevation. With 100′ of tubing, this level offers a 200′ working diameter. This versatile altimeter is perfect for a wide range of applications encountered in everyday Construction, Hardscaping, Excavating, and Landscaping. There is no elaborate setup to start or complicated break down when finished, and there is much less math involved compared to using a rotary laser. This level reads up to 30 vertical feet and is accurate within +/- 1/10th (0.1) of an inch! The Smart Level now features Auto Zero and allows the reference point to be easily set. The LCD display now has a backlight for reading in dim conditions. With flexible increments, elevations can be read in feet/inches (fraction), inches (fraction), inches (decimal), and centimeters (decimal). The Range feature allows the user to pick a margin of error and the LED will indicate high or low when out of range. One tough level, the Smart Level is shock, stress, and water resistant. This durable altimeter never needs recalibrated. If the tube is damaged, the Smart Leveler can be quickly and easily repaired on the spot with common tools. Comes with hard-shell carrying case and telescoping monopod. Backed by a 2 year warranty against manufacturer defects. **Made in the USA.** Ship wt 19.4 lb.

6235200 $999.54

C.H. HANSON 3′ X 4′ X 5′ ALUMINUM FOLDING LAYOUT A-SQUARE

C.H. Hanson designed their Heavy-Duty Aluminum Folding Layout A-Square to be versatile and easy to use. The only true 3′ x 4′ x 5′ square. This square provides 90º, 60º and 30º angles. Aids in the layout of many construction projects, especially any project involving masonry, paving, and tile work. C.H. Hanson manufactures this tool out of aircraft-quality extruded aluminum. This material is lightweight, yet extremely durable. This tool collapses into a triangle for easy storage and transportation. Ship wt 2 lb.

Made in the USA.

45002	**$99.60**	**3+ $97.37**	**6+ $95.98**

Stringliner
PRO

25459

STRINGLINER PRO LINE REELS WITH BRAIDED LINE

Stringliner designs their Pro Line Reels for both durability and ease of use. These reels feature a patented polyethylene handle. This durable handle allows twine to spin freely and releases the line without any twisting or knotting. This handle pulls apart, allowing you to easily change reels. Stringliner Pro Line Reels also feature a built-in hand crank. This hand crank allows for manual rewinding of string. For a faster rewind, locate the slot at the bottom of the handle and use your drill to rewind! Stringliner Pro Line Reels include a reel of #18 braided nylon twine. This braided line resists abrasion and has a tensile strength of 165 pounds. This line will not unravel as easily when cut or reused. You can use these reels with any line with a 1″ core, from 4″ to 6″ long. Ship wt 1 lb.

25459	Fluorescent Orange	500′	**$15.99**	**3+ $15.69**	**6+ $15.50**
25465	Fluorescent Yellow	500′	**$15.99**	**3+ $15.58**	**6+ $15.32**
25468	Fluorescent Green	500′	**$15.99**	**3+ $15.58**	**6+ $15.32**

STABILA R TYPE 300 LEVELS

Unlike any other level on the market! This STABILA R-Type 300 Level features a five-chamber, R-shaped profile. This profile provides you with a standard and an extra-wide measuring surface. This 48″ long level has three straight edges and a continuous finger grip that runs the entire length of the tool. STABILA finishes this tool with removable, shock-absorbing end caps. STABILA R-Type 300 Levels are a progressive alternative to traditional rectangular levels. STABILA vials and installation technology give these levels a certified accuracy of ±1/32″ over 72″. The three straight edges make marking, cutting, and smoothing easier than ever. An extra-wide measuring surface prevents the level from tipping over during use. These levels are easy to clean, so they will always be ready for the next job! R-Type 300 Levels are unlike any other level on the market. STABILA designs them for the most demanding job sites. They are lightweight yet twist resistant and incredibly durable. Shock-absorbing end caps provide additional protection from slips and drops. You can remove these caps when you need exact position and marking right into corners. STABILA backs these quality tools with a **lifetime warranty.**

SRB-48	48″	**$181.49**	**3+ $178.52**	**6+ $176.66**
SRB-72	72″	**$271.89**	**3+ $267.46**	**6+ $264.69**

LEONARD 25′ POWER BLADE TAPE MEASURE

LIFETIME WARRANTY

Our Leonard Brand Power Blade Tape Measure is packed with features demanded by today's trade professionals. The 1-1/16″ wide Power Blade tape offers stand out up to 9′! While the self locking feature makes for easy extension of the tape. Simple thumb push button release returns the tape to the heavy duty ABS case. Rugged yet light and compact ABS case protects our tape measures in the toughest environments. Our tapes also feature a dual end hook and large read numbers front and back. With a high-vis yellow blade on front, the backside of the tape is printed for easy reading during vertical measurements. Ship wt 1.1 lb.

Lifetime Warranty.

ASL25	**$19.91**	**5+ $19.56**	**10+ $19.35**

ACCURATE & VERSATILE FOR ANY JOB!

STABILA® LAR 160 G

The STABILA® LAR 160 G is a fully automatic, motor-driven rotational laser. Designed for exterior and interior use, STABILA's GREENBEAM technology provides improved accuracy and visibility. A 1,800' working diameter with a high leveling accuracy of 1/8" at 100'. Four laser functions offer versatile use out of the box – horizontal rotation, vertical rotation, plumb-line function, and square in vertical operation. Operate this laser with three simple control buttons – on/off, tilt mode, manual mode. A stable housing cover protects laser optics and the shock absorbent casing protects against impacts. Built in accordance with protection class IP 65, this laser is dust proof and waterproof. The LAR 160 G endures the elements and delivers precise results. Backed by STABILA's Two Year Laser Guarantee– STABILA® will repair, without charge, any defects due to faulty materials or workmanship for two years from the date of purchase. Each Kit includes STABILA's REC 160 RG receiver for accurately determining the beam position of red and green rotation lasers. This two-sided digital display receiver illuminates at the touch of a button. And features two sensitivity levels can be set for application-oriented work – "fine grade" ±1/32", or "coarse grade" ±1/8". In accordance with protection class IP 67, the receiver is also waterproof and dust-proof. Visit the LAR 160 G product page at amleo.com for more technical data.

Laser & Receiver Kit Includes:

- LAR 160 G rotation laser
- REC 160 RG receiver with clamp
- Manual
- Hard case
- 2 x D 1.5 V batteries
- 2 x AA 1.5 V batteries
- Ship wt 10.4 lb

4510 $898.66

Complete Kit Includes:

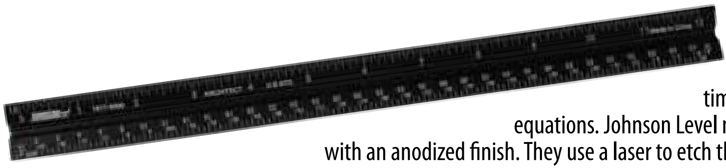
- LAR 160 G rotation laser
- REC 160 RG receiver with clamp
- BST-S construction tripod
- NL leveling rod
- Target plate
- Manual
- Hard case
- 2 x D 1.5 V batteries
- 2 x AA 1.5 V batteries
- Ship wt 36.4 lb

4500TR $999.95

STABILA® LAR 350 DUAL SLOPE ROTATION LASER

The STABILA® LAR 350 is a fully automatic servo controlled, self-leveling, dual slope laser system packed with industry leading features. Ideal for exterior and interior use, the LAR 350 offers vertical, horizontal, slope, and square leveling functions and boasts a 2,600' working diameter with accuracy ±1/8" over 100'. The dual slope function offers controlled inclination setting up to 5° on two axes. The manual alignment function is used to pivot an axis in vertical operation. An integrated LED Assist system indicates which axis is tilted in dual slope and manual alignment functions. And the masking mode can be used to limit the laser rotation, only emitting the beam in a defined area. The revolutionary MOTION CONTROL remote can control the LAR 350. The built-in sensor detects your hand movements, simply rotating the remote to adjust a setting is transmitted to the laser for convenient operation. Made in accordance with IP 65 protection class the LAR 350 is dust and water proof. Its patented "SPS" Shock Protection System and shock absorbing internal components take a 6' drop to concrete. Complete with DeTech "elevation defined" receiver that features a two-sided digital display that illuminates at the touch of a button. Two sensitivity levels can be set for application-oriented work – "fine grade" ±1/32", or "coarse grade" ±1/8". Visit the LAR 350 product page at amleo.com for more technical data. Backed by STABILA's Two Year Laser Guarantee. **Includes**: LAR 350 rotation laser, REC 300 Digital receiver, RC-LAR350 remote control, heavy duty tripod, elevation rod, 90° angle mount, laser goggles, target plate, carrying case, 2 x D 1.5 V batteries, 4 x AA 1.5 V batteries. Ship wt 36.4 lb.

5700TR $1,999.76

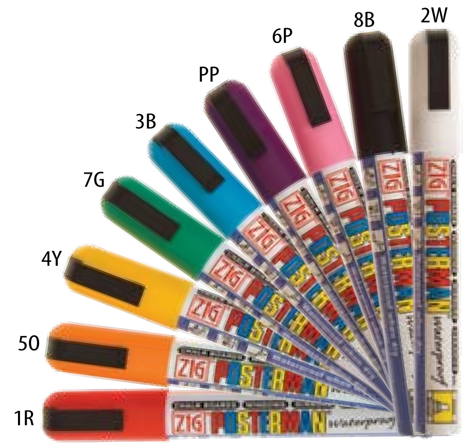


JOHNSON LEVEL ARCHITECT'S SCALE

Calculating dimensions for your blueprint or building plan takes valuable time. Use a scale ruler and eliminate the need for those time-consuming equations. Johnson Level manufactures their Architect's Triangular Scale out of extruded aluminum with an anodized finish. They use a laser to etch the graduations and numbers onto the surface of the tool. Johnson designed the perfect tool for architects, engineers, and drafters. This tool uses the U.S. Standard 12" scale, divided as follows: 3", 1-1/2", 1", 3/4", 3/16", 3/32", 1/2", 1/4", 1/8", inch per foot, one division in 1/16". Ship wt 1 lb.

1817R $7.04 3+ $6.91 6+ $6.83

CREATE COLORFUL DISPLAYS THAT WILL STAND OUT!



WASHABLE WATERPROOF MARKERSFOR EYE-CATCHING MERCHANDISING

Perfect for any non-porous surface, these waterproof chalk markers provide the means to create colorful displays that will stand out. They can save you money too! Simply wash your signs with a good quality household cleaner, and they are ready to use again. *Choose from Red (1R), Orange (50), Yellow (4Y), Green (7G), Blue (3B), Purple (PP), Pink (6P), Black (8B), or White (2W). Ship wt .5 lb.

PMA50-color*	**$3.64**	**3+ $3.57**	**6+ $3.53**
Set of all 9 **PMA50-ALL**	**$29.95**	**3+ $29.42**	**6+ $29.09**

7518T

16BA

"V" LEG SIGN HOLDERS

Galvanized roll-formed leg, much stronger than the alternative. Standard "V" legs easily stake into the ground, or use with the steel base adapter (16BA), sold separately. Common sizes in stock, other sizes available upon request. **Sold in quantities of 25.**

Item	Size	Ship wt	Price	4+	8+
7518T	7″x 5″, 18″ H	16 lb	**$132.89**	**$129.48**	**$127.35**
7530T	7″x 5″, 30″ H	27 lb	**$157.49**	**$153.01**	**$150.20**
11718T	11″x 7″, 18″ H	26 lb	**$145.49**	**$141.61**	**$139.18**
11730T	11″x 7″, 30″ H	31 lb	**$167.89**	**$163.12**	**$160.13**

GALVANIZED STEEL BASE ADAPTERS

Place sign holders into this base adapter, rather than into the ground. Heavy duty, weigh 2 lb each for excellent stability. **Sold in quantities of 25.** Ship wt 50 lb.

16BA	**$190.89**	**4+ $186.62**	**8+ $183.95**

B75

ONE PIECE SIGN HOLDERS

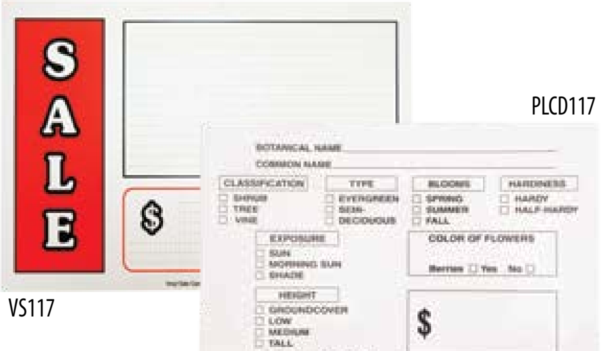
Durable galvanized steel, riveted construction keeps these holders reusable. Stands 12″ high on a heavy gauge base that measures 7″ x 7″ for stability. Signs ship flat for storage, easily bend up for use. One reusable, waterproof vinyl border style sign card is included, differs from sign shown. **Sold in quantities of 25.**

B75	7″ x 5″. Ship wt 38 lb.	
$303.49	**4+ $293.78**	**8+ $287.71**
B117	11″ x 7″. Ship wt 50 lb.	
$286.89	**4+ $277.71**	**8+ $271.97**

BLANK WHITE VINYL SIGN CARDS

.01" thick. **Sold in packs of 25.**

Item	Size	Ship wt	Price	4+	8+
PC75	7″ x 5″	.5 lb	**$11.89**	**$11.51**	**$11.27**
PC117	11″ x 7″	2 lb	**$19.89**	**$19.25**	**$18.86**
PC108	10″ x 8″	.75 lb	**$14.07**	**$13.76**	**$13.56**



PLCD117

VS117

PRE-PRINTED VINYL SIGN CARDS

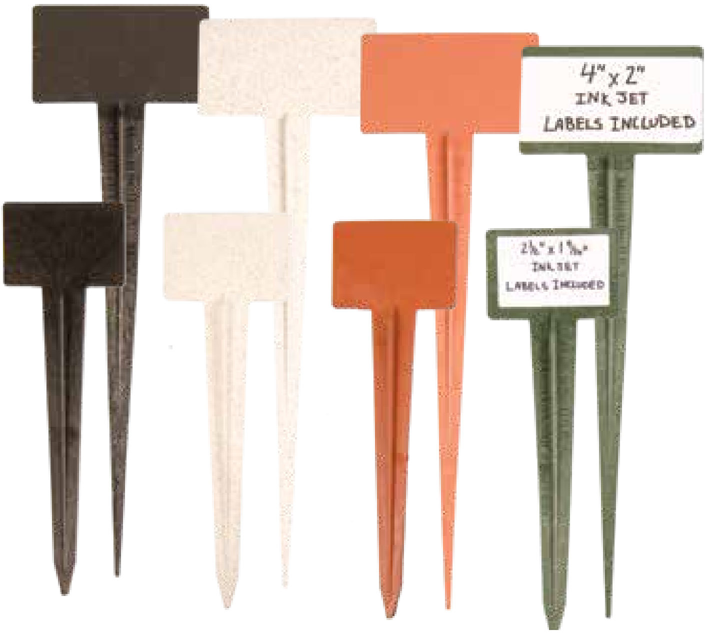
.01" thick. Ship wt .5 lb. Available in two legends: Sale and Plant Information. **Sold in packs of 25.**

Item	Size	Price	4+	8+
PL75	7″ x 5″ Info	**$14.89**	**$14.41**	**$14.12**
VS75	7″ x 5″ Sale	**$8.06**	**$7.95**	**$7.89**
VS117	11″ x 7″ Sale	**$14.67**	**$14.45**	**$14.31**
PLCD117	11″ x 7″ Info	**$15.79**	**$15.44**	**$15.23**

BLANK BRIGHT COLORED SIGN CARDS

.015" thick. Works great with our washable waterproof markers. Available in Red (1R), Yellow (4Y), or Orange (50). Ship wt 2 lb. **Sold in packs of 25.**

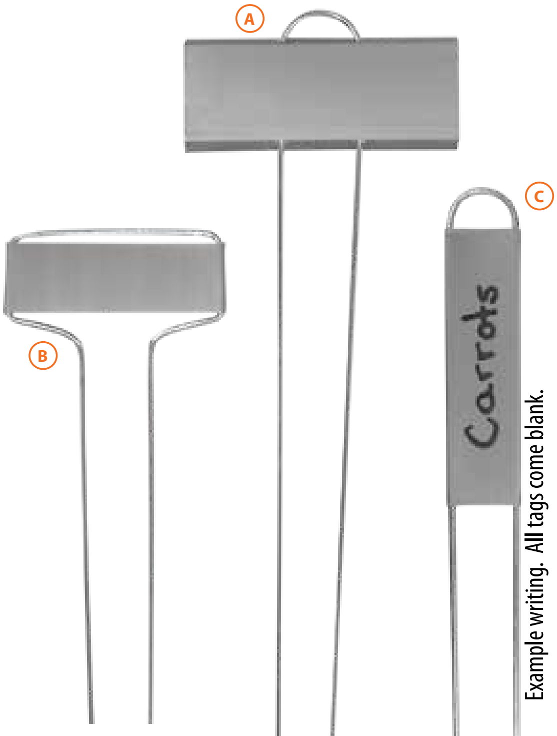
Item	Size	Price	4+	8+
N5014-color	7″ x 5″	**$32.89**	**$31.84**	**$31.18**
N5018-color	11″ x 7″	**$28.35**	**$27.91**	**$27.63**



PLANT BIOMARKER

Earth friendly garden markers! Durable and long-lived plant markers are made from DuraMaze™ a blend of biomass, natural fibers from corn cob by-products and recycled plastics. Each pack of markers come with a sheet of weatherproof pressure sensitive labels or the markers can be written on directly with a hort pen or permanent marker. 4 colors to choose from: Green, white stone, terra cotta or black. The 9" markers have a 3" x 2" face plate area and the 13" has a 4" x 2-1/2" face plate area. Ship wt 1 lb.

Item	Height	Color	Count	Price	3+	6+
BM9BLK	9"	Black	15	**$18.89**	**$18.52**	**$18.30**
BM9WS	9"	White	15	**$18.89**	**$18.52**	**$18.30**
BM9TC	9"	Terra Cotta	15	**$18.89**	**$18.52**	**$18.30**
BM9DG	9"	Green	15	**$18.89**	**$18.52**	**$18.30**
BM13BLK	13"	Black	10	**$17.89**	**$17.36**	**$17.04**
BM13WS	13"	White	10	**$17.89**	**$17.36**	**$17.04**
BM13TC	13"	Terra Cotta	10	**$17.89**	**$17.36**	**$17.04**
BM13DG	13"	Green	10	**$17.89**	**$17.36**	**$17.04**



Example writing. All tags come blank.

ZINC GARDEN MARKERS

Constructed from the highest quality of galvanized wire and 99.6% zinc. This combination provides you with a weatherproof garden label that retains presentation and legibility year after year. **Made in the USA** with 100% American-made materials.

A) Display Plant Markers provide an extra large, tilted nameplate for better visibility and additional writing space. Nameplate measures 1-1/4" x 3-1/2". **Sold in bundles of 25.**

PMD-10	10" tall, Ship wt 2 lb	**$20.49**	**3+ $19.83**	**6+ $19.42**
PMD-21	21" tall, Ship wt 4 lb	**$27.49**	**3+ $26.61**	**6+ $26.06**

B) Classic Plant Markers a traditional favorite, this marker is a standard for plant marking. Nameplate measures 7/8" x 2-1/2". **Sold in bundles of 25.**

PMC-10	10" tall, Ship wt 2 lb	**$20.89**	**3+ $20.22**	**6+ $19.80**
PMC-15	15" tall, Ship wt 2 lb	**$18.53**	**3+ $18.11**	**6+ $17.84**

C) Vertical Plant Markers offer an extra long, narrow nameplate for vertical or diagonal writing. Nameplate measures 7/8" x 3-1/4". **Sold in bundles of 25.**

PMV-12	12" tall, Ship wt 2 lb	**$19.89**	**3+ $19.25**	**6+ $18.86**

BLACKBOARD SIGN STAKES AND BASES, CASE OF 25

Large face for greater visibility! Use color washable markers to make your signs 'jump-out' on the black background. Create eye-catching product descriptions, planting tips, prices, etc. Rustproof, waterproof and won't turn yellow. Insert stake in the ground, in a container or pot, or mount on a bench. Optional base allows your sign to be free-standing. Three sign sizes to choose from. **Sold per case of 25.**

Item	Size	Count	Price	4+	8+
BB35A	5" x 3" x 14.5"	25	**$76.49**	**$74.04**	**$72.51**
BB46A	6" x 4" x 17"	25	**$96.89**	**$94.11**	**$92.37**
BB58A	8" x 5" x 28"	25	**$118.49**	**$115.26**	**$113.24**
BB4635	Base	25	**$62.50**	**$61.20**	**$60.39**

BB4635

BB46A

BB35A

Hibiscus
SALE: $15.99
BB58A

ADD A WATERPROOF CHALK MARKER!

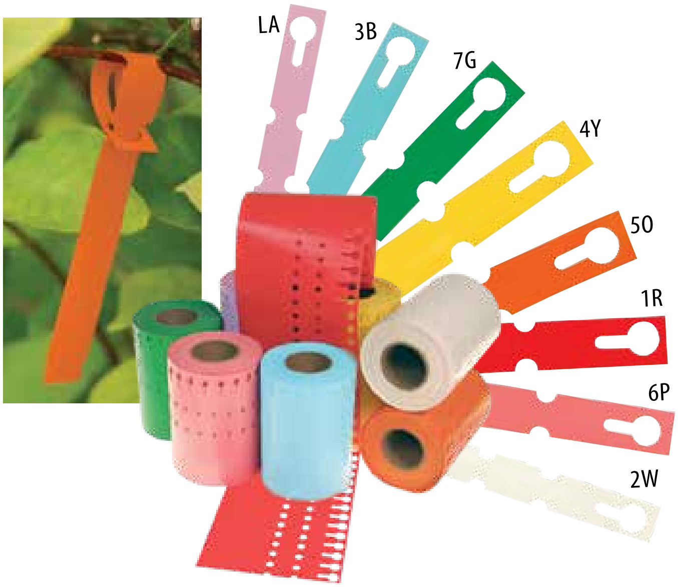
ZIG POSTERMAN
Waterproof

Simply wash your signs with a good quality household cleaner, and they are ready to use again. White. Ship wt .5 lb.

PMA50-2W	**$3.64**	**3+ $3.57**	**6+ $3.53**

MORE COLORS ON PAGE 256

DESIGNED FOR EASY ATTACHMENT!



SLIP 'N LOCK LABELS

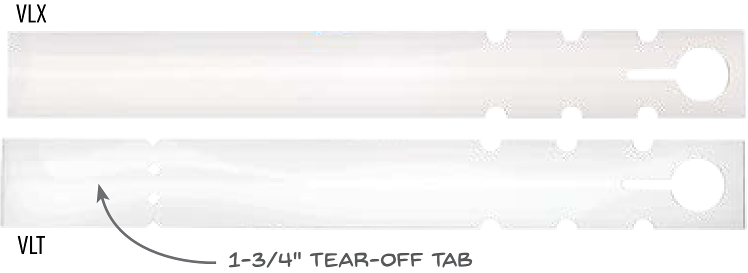
In 3 sizes, eight colors for quick & easy labeling. Soft, pliable, vinyl plastic, with a unique design for easy attachment. The convenient, colorful way to label! In rolls of 1,000 labels per color. *Specify color: red(1R), white(2W), blue(3B), yellow(4Y), orange(5O), pink(6P), green(7G), and lavender(LA). **Price per roll.**

Item	Size	Ship wt	Price	3+	6+
SL558-color*	5-1/2" x 5/8"	3 lb	**$26.44**	**$26.06**	**$25.82**
SL758-color*	7" x 5/8"	3 lb	**$37.61**	**$37.07**	**$36.73**
SL734-color*	7" x 3/4"	4 lb	**$65.49**	**$63.39**	**$62.08**

CUSTOM LABEL PRINTING

Call to personalize it! Get more details about custom label printing. Available on one side of label, three lines, 27 letters per line maximum. Minimum quantity 5 rolls alike or assorted color & size. Set up fee $16.07.

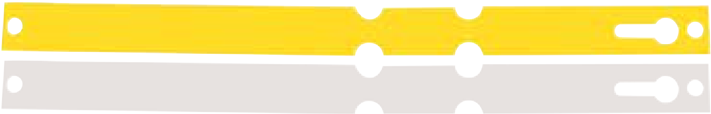
Item	Size	Ship wt	Price	3+	6+
SL558-color*-D	5-1/2" x 5/8"	3 lb	**$52.49**	**$51.45**	**$50.80**
SL758-color*-D	7" x 5/8"	3 lb	**$64.49**	**$63.28**	**$62.53**
SL734-color*-D	7" x 3/4"	4 lb	**$68.49**	**$67.28**	**$66.52**



LASER SLIP-ON TAGS

Durable and easy to use in a standard sheet size of 8.5" x 11". Ten mil coated on both sides for superior imaging and longevity. Good for both mono and color printing. VLT features a 1-3/4" tear-off tab for price, barcode, UPC etc. Ship wt 3 lb. **Sold in packs of 100 sheets.**

VLX	No tear-off tab	**$93.98**	**3+ $91.64**	**6+ $90.18**
VLT	With tear-off tab	**$94.49**	**3+ $92.11**	**6+ $90.62**



DOT MATRIX SLIP 'N LOCK LABEL

Same soft, pliable, heavy-gauge vinyl as original Slip 'N Lock labels, ready for computer customizing. In three sizes, two vivid colors. 7" x 1/2" size accommodates two lines of print; 7" x 1" and 10" x 1" four lines. **Sold in rolls of 1,000.** Specify white (2W) or yellow (4Y).

Item	Size	Ship wt	Price	3+	6+
CL712-color	7" x 1/2"	2 lb	**$36.11**	**$35.68**	**$35.41**
CL71-color	7" x 1"	2 lb	**$76.89**	**$75.66**	**$74.89**
CL101-color	10" x 1"	8 lb	**$99.89**	**$96.73**	**$94.76**

SOLD
SOLD
SOLD
SOLD
SOLD
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SOLD
SOLD

ALL-WEATHER SOLD TAGS

Bold, bright red letters on all-weather, .015 rigid vinyl. Durable, easy-to-see and long-lasting. 7/8" x 10" label, 1/2" sold letter. Space for customer name, price, etc. **Sold in rolls of 1,000.** 5 labels side by side on roll. Ship wt 4 lb.

VST1	**$117.49**	**3+ $114.52**	**6+ $112.67**

SOLD
FOR
VIA
SOLD
FOR
VIA

SOLD TAGS

Long-lasting vinyl plastic for indoor/outdoor use. A favorite for over 15 years! Hefty 2" x 5" tag with SOLD and area for name and address. 1,000 per roll (comes with loose, unattached galvanized wires). Ship wt 4 lb.

DWF2-1R	Red/Black	**$132.13**
DWF2-4Y	Yellow/Black	**$123.34**

PRINTED 'SOLD' FLAGGING TAPE

Printed roll flagging to reinforce your non-verbal communication. 1-1/2" wide tape by 300' long red tape with black "SOLD" lettering every 17". Printing is on coarse matte grade material and can endure temperatures at or below -20° F. Ship wt .5 lb.

CURBK404	**$5.89**	**3+ $5.70**	**6+ $5.58**

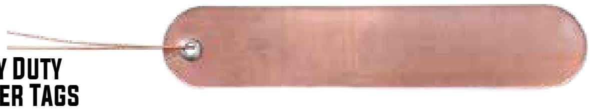
A.M. LEONARD
HORTICULTURAL TOOL & SUPPLY COMPANY
NURSERY MARKING PEN

WATERPROOF AND PERMANENT!

LEONARD HORT NURSERY MARKING PEN

Instant drying, water-proof, non-smearing, permanent. Best for plastic tags and labels, marks on anything! Black. Ship wt .5 lb.
SOLD IN PACKS OF 5

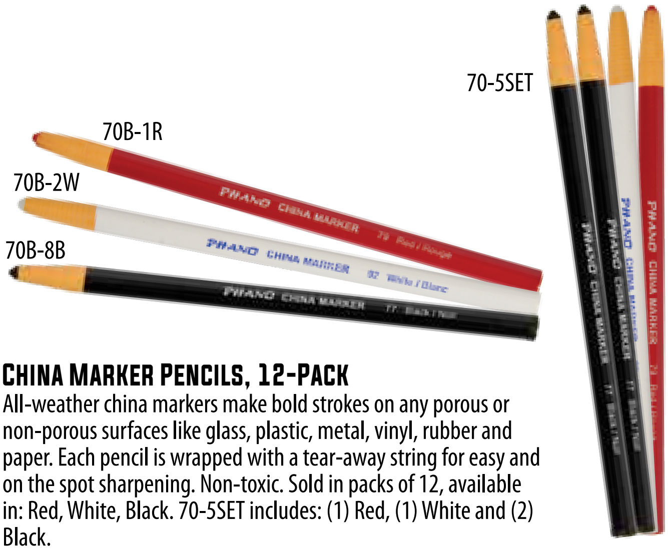
HNP8B5	**$20.88**	**5+ $20.21**	**10+ $19.79**



HEAVY DUTY COPPER TAGS

Heavy copper stock that can be engraved with a pen, pencil or sharp object. Permanent, all-weather labeling will last for years. Copper ages to green with time, adding a great look to your garden. Pre-wired with reinforced eyelet for quick tying. 3/4″ x 3-3/4″. **Sold in pack of 250.** Ship wt 2.25 lb.

CPL1	**$92.44**	**3+ $90.17**	**6+ $88.74**



CHINA MARKER PENCILS, 12-PACK

All-weather china markers make bold strokes on any porous or non-porous surfaces like glass, plastic, metal, vinyl, rubber and paper. Each pencil is wrapped with a tear-away string for easy and on the spot sharpening. Non-toxic. Sold in packs of 12, available in: Red, White, Black. 70-5SET includes: (1) Red, (1) White and (2) Black.

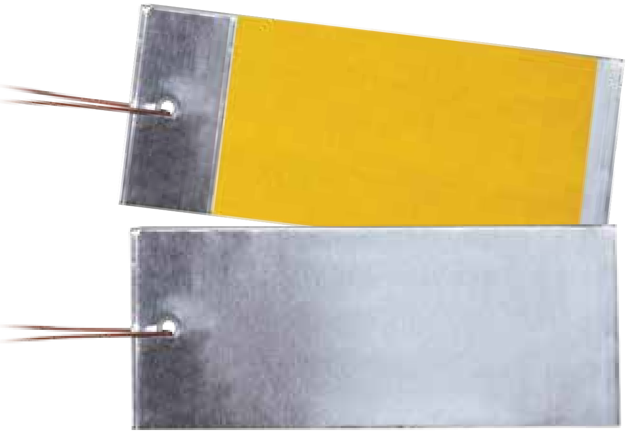
Item	Color	Qty	Ship wt	Price	3+	6+
70B-1R	Red	12	.5 lb	**$8.92**	**–**	**–**
70B-2W	White	12	.5 lb	**$9.00**	**$8.89**	**$8.82**
70B-8B	Black	12	.5 lb	**$9.11**	**$8.99**	**$8.92**
70-5SET	Set	5	.1 lb	**$3.39**	**$3.33**	**$3.29**

PLANTED 10-5-69

OAT ALUMA-BOSS ALUMINUM TAGS - Inexpensive, long-lasting, all-weather double faced labeling. Each side takes an impression, with no show-through — complete with 9″ galvanized steel ties. **Box of 500 tags/wires.**

OAT	3″ x 7/8″	Ship wt 2 lb	**$68.49**	**3+ $67.25**	**6+ $66.47**
OAT4	4″ x 1-3/4″	Ship wt 5 lb	**$142.49**	**3+ $139.25**	**6+ $137.23**

DSA1S

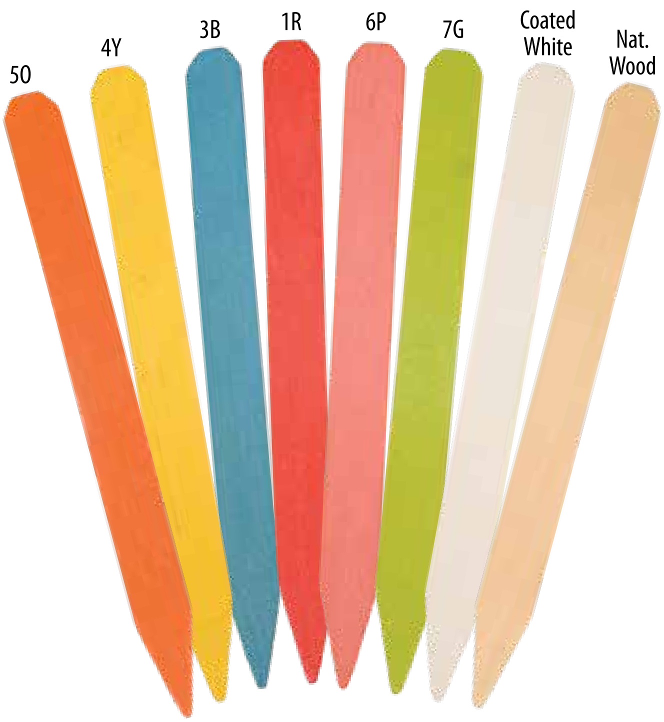


DSA2S

DOUBLE SURFACE ALUMINUM TAGS

Heavy aluminum stock wrapped around a stiff cardboard backing allowing for easy marking with a pen, pencil, or any pointed object. Will last for years, even under harsh environments. (3/4″ x 3-1/2″ tag) Pre-wired with a reinforced eyelet. Ship wt 3 lb.

DSA1S	3/4″ x 3-1/2″, **Box of 500 tags**	**$114.89**	**3+ $111.66**	**6+ $109.65**
DSA2S	1-1/2″ x 3-1/2″, **Box of 250 tags**	**$70.89**	**3+ $69.32**	**6+ $68.33**



WOOD POT STAKES

WOOD POT STAKES – Natural wood, smooth-sanded markers are thick and strong. In three finishes: natural wood, coated white and painted for high visibility. **Sold by the box.**

PAINTED – WG10 and WG18 come in orange only. WG12 now comes in 6 colors, see below. Please specify color when ordering.

Item	Size	Count	Ship wt	Price	3+	6+
WG10-OR	10″ x 7/8″	250	5 lb	**$58.49**	**$57.38**	**$56.68**
WG12-color*	12″ x 1-1/8″	250	10 lb	**$88.49**	**$85.88**	**$84.25**
WG18-OR	18″ x 1-1/8″	250	16 lb	**$161.49**	**$158.52**	**$156.67**

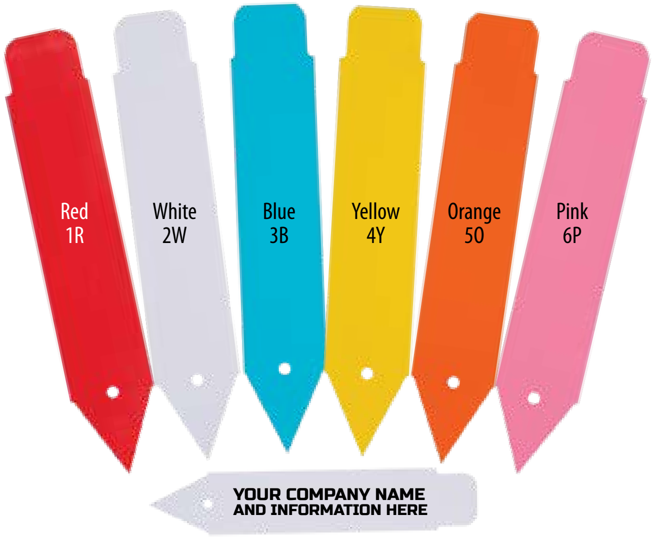
*Orange (OR), Yellow (4Y), Blue (3B), Red (1R), Pink (6P), Green (7G)

COATED WHITE

Item	Size	Count	Ship wt	Price	3+	6+
WL4-C	4″ x 5/8″	1000	5 lb	**$68.23**	**$66.82**	**$65.94**
WL6-C	6″ x 5/8″	1000	6 lb	**$76.49**	**$75.24**	**$74.46**
WL8-C	8″ x 5/8″	500	4 lb	**$72.49**	**$70.98**	**$70.04**
WL10-C	10″ x 5/8″	500	5 lb	**$83.49**	**$81.91**	**$80.92**
WL12-C	12″ x 5/8″	500	8 lb	**$110.49**	**$108.95**	**$107.99**
WG10-C	10″ x 7/8″	250	5 lb	**$58.49**	**$57.38**	**$56.68**
WG12-C	12″ x 1-1/8″	250	10 lb	**$87.49**	**$84.96**	**$83.38**

NATURAL WOOD

Item	Size	Count	Ship wt	Price	3+	6+
WL4-PL	4″ x 5/8″	1000	4 lb	**$50.49**	–	–
WL6-PL	6″ x 5/8″	1000	6 lb	**$57.49**	–	–
WL8-PL	8″ x 5/8″	500	4 lb	**$52.33**	**$51.14**	**$50.39**
WL10-PL	10″ x 5/8″	500	5 lb	**$59.49**	–	–
WL12-PL	12″ x 5/8″	500	8 lb	**$104.49**	**$102.05**	**$100.52**
WG10-PL	10″ x 7/8″	250	5 lb	**$56.49**	**$55.10**	**$54.24**
WG12-PL	12″ x 1-1/8″	250	10 lb	**$93.49**	**$90.50**	**$88.63**



POT STAKES

Designed for thermal printers, these versatile, pot stakes are also perfect for all kinds of general utility labeling. All these tags can easily be written on using paint pens, marking pens and pencils. Available in colors: Red (1R), White (2W), Blue (3B), Yellow (4Y), Orange (50), or Pink (6P). Ship wt 3 lb. **Sold by the roll.** **Made in the USA.**

Item	Size	Price	3+	6+
SP324-color	3/4″ x 4″, 1000/roll	**$37.99**	**$37.30**	**$36.86**
SP325-color	3/4″ x 5″, 1000/roll	**$45.65**	**$44.69**	**$44.09**
SP326-color	3/4″ x 6″, 1000/roll	**$48.61**	**$47.76**	**$47.23**

Custom Printing: Thermal, fade-resistant, standard black. Must be purchased in increments of 1000/style per color.

Item	Size	Price	3+	6+
SP324D-color	3/4″ x 4″, 1000/roll	**$64.49**	**$63.13**	**$62.27**
SP325D-color	3/4″ x 5″, 1000/roll	**$69.49**	**$68.20**	**$67.39**
SP326D-color	3/4″ x 6″, 1000/roll	**$75.49**	**$74.04**	**$73.13**

SU – One time printing set up fee required **$29.25**

THERMAL PRINTABLE POT STAKES

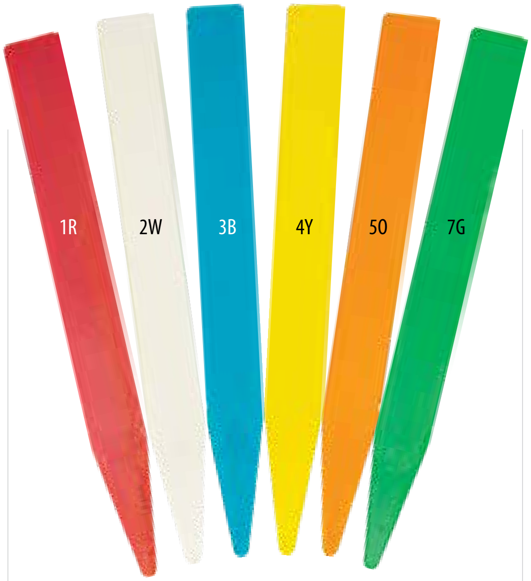
Pot stakes are ideal for marking pots and more. Commercial grade bright white .020 styrene on 3″ core is compatible with most thermal printers. Weatherable for 9 months. All of these tags can easily be written on using paint pens, marking pens and pencils. **Sold by the roll.** **Made in the USA.**

Item	Size	Ship wt	Price	3+	6+
SRP0650T	5/8″ x 5″, 2000/roll	5 lb	**$59.61**	**$58.88**	**$58.42**
SRP0660T	5/8″ x 6″, 2000/roll	6 lb	**$66.04**	**$65.17**	**$64.62**
SRP1050T	1″ x 5″, 1000/roll	4 lb	**$41.22**	**$40.54**	**$40.12**
SRP1060T	1″ x 6″, 1000/roll	5 lb	**$46.76**	**$45.97**	**$45.48**
SRP1080T-WH	1″ x 8″, 1000/roll	5 lb	**$39.56**	–	–

STYRENE POT STAKES

These cost effective pot stakes are made from styrene, they are 19-20 pt thickness, and are available in a variety of colors. They are available in 4", 6", and 8" lengths. These stakes are 5/8" wide, and can easily be written on. The colors available are: White, Red, Yellow, Orange, and Green. **Sold in boxes of 1000.**

Item	Color	Price	3+	6+
4" Long. Ship wt 1.7 lb.				
4580	White	**$27.24**	**$26.87**	**$26.65**
4581	Red	**$34.89**	**$33.95**	**$33.36**
4582	Orange	**$32.51**	**$31.76**	**$31.29**
4583	Yellow	**$33.89**	**$33.03**	**$32.49**
4584	Green	**$32.51**	**$31.76**	**$31.29**
6" Long. Ship wt 2.7 lb.				
6580	White	**$40.41**	**$39.61**	**$39.11**
6581	Red	**$44.88**	**$44.02**	**$43.48**
6582	Orange	**$45.70**	**$44.77**	**$44.19**
6583	Yellow	**$45.70**	**$44.77**	**$44.19**
6584	Green	**$45.70**	**$44.77**	**$44.19**
8" Long. Ship wt 3.8 lb.				
8580	White	**$51.41**	**$50.71**	**$50.27**
8581	Red	**$55.89**	–	–
8582	Orange	**$64.89**	**$63.56**	**$62.72**
8583	Yellow	**$57.89**	–	–
8584	Green	**$64.89**	**$63.56**	**$62.72**



PLASTIC POT STAKES

5/8" wide stakes are made of top-quality, high-impact .02 polystyrene so marking stays legible! **Specify color:** Red(1R), white(2W), blue(3B), yellow(4Y), orange(50), or green(7G). **Sold by the box.**

Item	Length	Qty	Price	3+	6+
PS4-color	4"	1000	**$68.92**	**$67.61**	**$66.79**
PS6-color	6"	1000	**$90.49**	**$88.47**	**$87.22**
PS8-color*	8"	500	**$86.49**	**$84.39**	**$83.07**

*PS8 only available in white (2W), yellow (4Y), or green (7G)

12" PLASTIC POT STAKES

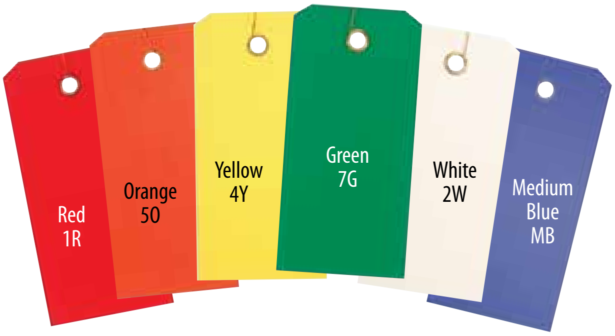
These are our highest quality plant stake, 60 mil width x 1.25" x 12". Available in 4 colors: White, red, yellow, and blue. They are extra wide to write on, and durable for any job. Ship wt 3.3 lb. **Sold in boxes of 100.**

Item	Color	Price	3+	6+
1210W	White	**$50.89**	**$49.31**	**$48.32**
1211R	Red	**$41.99**	**$41.26**	**$40.81**
1212Y	Yellow	**$50.89**	**$49.45**	**$48.55**
1213B	Blue	**$39.11**	**$38.61**	**$38.30**

PLASTIC STRAP SECURITY SEALS

Weather-resistant, UV treated, 8-1/4" long locking seals for permanent identification. Secure loads from tampering and theft. Label specific trees and shrubs for designed landscape jobs. Average breaking strength is 40 lb. Available in Red (1R), White (2W), Blue (3B), Yellow (4Y), Orange (50), Green (7G), and Black (8B). Call 800-543-8955 to customize with your company's name using 17 characters for a name (including spaces) and 8 characters for a serial #. Allow 4-6 weeks for customization and delivery. **Sold in boxes of 1,000. Minimum Order Quantity - 3,000.** Ship wt 9 lb.

Item	Color	Price	3+	6+
Standard Security Seals				
PTB-1R	Red	**$995.89**	**$983.10**	**$975.10**
PTB1-2W	White	**$1,123.88**	**$1,100.85**	**$1,086.46**
PTB1-3B	Blue	**$929.52**	**$922.04**	**$917.36**
PTB1-4Y	Yellow	**$1,123.88**	**$1,100.85**	**$1,086.46**
PTB1-50	Orange	**$1,123.88**	**$1,100.85**	**$1,086.46**
PTB1-7G	Green	**$1,123.89**	**$1,100.86**	**$1,086.46**
PTB1-8B	Black	**$1,123.88**	**$1,100.85**	**$1,086.46**
Custom Security Seals (Minimum of 3 boxes)				
PTB1-1RC	Red	**$1,123.88**	**$1,100.85**	**$1,086.46**
PTB1-2WC	White	**$1,123.88**	**$1,100.85**	**$1,086.46**
PTB1-3BC	Blue	**$929.52**	**$922.04**	**$917.36**
PTB1-4YC	Yellow	**$929.52**	**$922.04**	**$917.36**
PTB1-50C	Orange	**$929.52**	**$922.04**	**$917.36**
PTB1-7GC	Green	**$1,123.88**	**$1,100.85**	**$1,086.46**
PTB1-8BC	Black	**$1,123.88**	**$1,100.85**	**$1,086.46**



WIRED VINYL MARKING TAGS

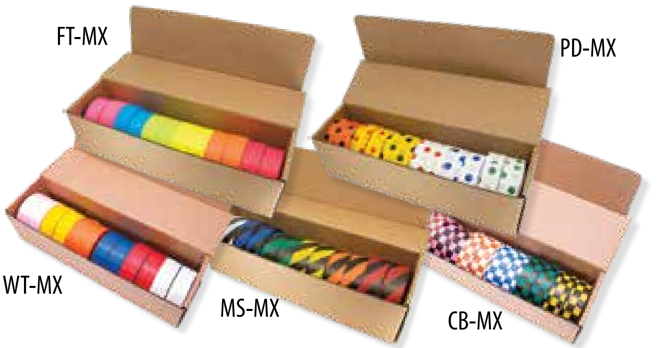
These vinyl shipping tags measure 1-1/2" in width and 3-1/4" in length. These pre-wired tags feature a reinforced metal eyelet. Each box contains 500 tags. Choose your desired color below. These Vinyl Shipping Tags give you a large writing surface. Mark them with a labeling pencil, a permanent marker. We recommend our A.M. Leonard Long-Lasting Nursery Marker. The pre-wired design of these tags saves you time. The vinyl material combines durability and flexibility. **Sold 500 per box.** Ship wt 3 lb.

PTT2-color	**$115.49**	**3+ $112.17**	**6+ $110.09**

FLAGGING TAPE

Flagging Tape – Patterns or Solid Colors

Poly tapes with patterns and colors give you all kinds of tagging options. With nearly 70 different options, we have every pattern and color to fit your needs. Non-adhesive rolls make it quick and easy to tie to any material or object. Tough, weather-resistant and withstands temperatures as low as -20°F. Fluorescent tapes are 1-3/16" x 150'; standard color tapes are 1-3/16" x 300'. Ship wt 5.45 lb per box. Custom printed Flagging tape available, call 1-800-543-8955. **Boxed QTY available in single style only. QTY can not be mixed.** *Be sure to add color suffix to item number when ordering. For example: Item number QTY is Candy Stripe red QTY in 1-3/16" width.



Mixed Boxes of Flagging Tape

We've selected our best selling flagging tape colors and patterns, and mixed them in a box to save you time, money, and for ease of storing. These non-adhesive rolls make it quick and easy to tie to any material or object. Tough, weather-resistant and withstands temperatures as low as -20°F. Standard color solids and patterns are 300' in length. Florescent color solids and patterns are 150' in length. **NOTE:** CB-MX Checkerboard mixed boxes contain rolls that are 1-3/16" x 300' with one roll of Glo Pink/ Black that is 150'. Ship wt 4 lb.

Each box contains 12 rolls, 2 in each of the following colors:

Fluorescent: 150 ft. Glo Red, Glo Blue, Glo Yellow, Glo Orange, Glo Pink, and Glo Lime.
FT-MX $34.89 3+ boxes $33.77 6+ boxes $33.08

Candy Stripe: 300 ft. Black/Red, Black/Blue, Black/Yellow, Black/Orange, Black/Green, and Black/White.
MS-MX $41.89 3+boxes $40.60 6+boxes $39.80

Polka Dot: 300 ft. White/Red, White/Blue, White/Green, Yellow/Black, Yellow/Red, and Orange/Black
PD-MX $41.89 3+boxes $40.60 6+boxes $39.80

Solid: 300 ft. White, Yellow, Orange, Blue, Red, White.
WT-MX $34.89 3+boxes $33.77 6+boxes $33.08

Checkerboard: 300 ft. White/Red, Orange/White, Blue/White, Green/Black, Yellow/Black. 150 ft. Glo Pink/Black
CB-MX $42.49 3+boxes $41.15 6+boxes $40.32

WIDE ROLLS – SOLID COLORS 2 MIL

Color	Item #	Name	Size	Per Box	3+ Boxes	6+ Boxes
	FT-6PB	Glo Pink	1-3/16" x 150'	$33.89	$32.91	$32.29
	FT-1RB	Glo Red	1-3/16" x 150'	$33.89	$32.91	$32.29
	FT-5OB	Glo Orange	1-3/16" x 150'	$35.89	$34.91	$34.30
	FT-4YB	Glo Lemon	1-3/16" x 150'	$33.89	$32.91	$32.29
	FT-9LB	Glo Lime	1-3/16" x 150'	$30.89	$30.15	$29.68
	FT-7GB	Glo Green	1-3/16" x 150'	$33.89	$32.91	$32.29
	FT-3BB	Glo Blue	1-3/16" x 150'	$34.89	$33.99	$33.43
	WT-2WB	White	1-3/16" x 300'	$37.89	$36.75	$36.04
	WT-6PB	Pink	1-3/16" x 300'	$30.89	$30.15	$29.68
	WT-1RB	Red	1-3/16" x 300'	$30.89	$30.31	$29.95
	WT-5OB	Orange	1-3/16" x 300'	$35.89	$34.91	$34.30
	WT-4YB	Yellow	1-3/16" x 300'	$31.89	$31.07	$30.55
	WT-7GB	Green	1-3/16" x 300'	$35.89	$34.91	$34.30
	WT-3BB	Blue	1-3/16" x 300'	$37.89	$36.75	$36.04
	WT-PPB	Purple	1-3/16" x 300'	$38.89	$37.65	$36.87
	WT-8BB	Black	1-3/16" x 300'	$31.89	$31.23	$30.82

Note: Due to the nature of the printing process, it is not possible to show true fluorescent colors.

WIDE ROLLS – CHECKERBOARD 2.5 MIL

Color	Item #	Name	Size	Per Box	3+ Boxes	6+ Boxes
	CB-6PB	Glo-Pink / White	1-3/16" x 150'	$47.89	$46.50	$45.63
	CB-1RB	White / Red	1-3/16" x 300'	$47.89	$46.36	$45.40
	CB-5OB	White / Orange	1-3/16" x 300'	$41.08	$40.23	$39.70
	CB-4YB	White / Yellow	1-3/16" x 300'	$34.61	$34.06	$33.71
	CB-3BB	White / Blue	1-3/16" x 300'	$42.49	$41.53	$40.93
	CBM-06PB	Glo Pink / Black	1-3/16" x 150'	$47.89	$46.50	$45.63
	CBM-1RB	Red / Black	1-3/16" x 300'	$42.49	$41.53	$40.93
	CBM-4YB	Yellow / Black	1-3/16" x 300'	$42.49	$41.53	$40.93
	CBM-7GB	Green / Black	1-3/16" x 300'	$34.61	$34.06	$33.71
	CBM-3BB	Blue / Black	1-3/16" x 300'	$38.12	$37.29	$36.77

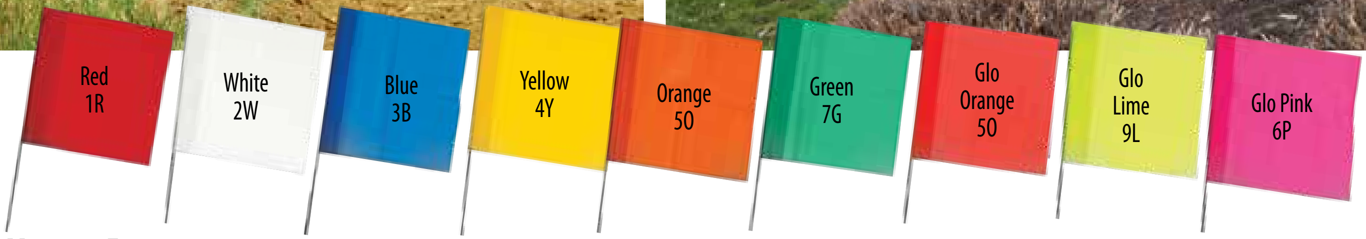
WIDE ROLLS – CANDY STRIPE 2.5 MIL

Color	Item #	Name	Size	Per Box	3+ Boxes	6+ Boxes
	MS-06PB	Black / Glo Pink	1-3/16" x 150'	$41.89	$40.98	$40.41
	MS-05OB	Black / Glo Orange	1-3/16" x 150'	$35.15	$34.55	$34.18
	MS-1RB	Black / Red	1-3/16" x 300'	$46.89	$45.39	$44.45
	MS-5OB	Black / Orange	1-3/16" x 300'	$41.89	$40.98	$40.41
	MS-4YB	Black / Yellow	1-3/16" x 300'	$47.89	$46.50	$45.63
	MS-7GB	Black / Green	1-3/16" x 300'	$47.89	$46.50	$45.63
	MS-3BB	Black / Blue	1-3/16" x 300'	$38.61	$37.74	$37.19
	CS-8BB	Black / White	1-3/16" x 300'	$47.89	$46.50	$45.63
	CSY-1RB	Yellow / Red	1-3/16" x 300'	$43.89	$42.82	$42.15
	CS-1RB	White / Red	1-3/16" x 300'	$46.89	$45.39	$44.45
	CS-5OB	White / Orange	1-3/16" x 300'	$50.89	$49.26	$48.24
	CS-4YB	White / Yellow	1-3/16" x 300'	$38.61	$37.74	$37.19
	CS-7GB	White / Green	1-3/16" x 300'	$48.89	$47.33	$46.35
	CS-3BB	White / Blue	1-3/16" x 300'	$45.89	$44.66	$43.89

WIDE ROLLS – POLKA DOT 2.5 MIL

Color	Item #	Name	Size	Per Box	3+ Boxes	6+ Boxes
	PD-P-2WB	Glo Pink / White Dot	1-3/16" x 150'	$43.89	$42.60	$41.79
	PD-8BB	White / Black	1-3/16" x 300'	$37.79	$36.98	$36.48
	PD-1RB	White / Red	1-3/16" x 300'	$47.89	$46.50	$45.63
	PD-5OB	White / Orange	1-3/16" x 300'	$38.61	$37.96	$37.55
	PD-4YB	White / Yellow	1-3/16" x 300'	$41.89	$40.98	$40.41
	PD-7GB	White / Green	1-3/16" x 300'	$38.61	$37.96	$37.55
	PD-3BB	White / Blue	1-3/16" x 300'	$41.89	$40.76	$40.05
	PDM-06PB	Glo Pink / Black	1-3/16" x 150'	$52.89	$51.20	$50.14
	PDM-05OB	Glo Orange / Black	1-3/16" x 150'	$35.15	–	–
	PD-Y-1RB	Yellow / Red Dot	1-3/16" x 300'	$44.89	$43.74	$43.02
	PDM-1RB	Red / Black	1-3/16" x 300'	$35.89	$35.24	$34.83
	PDM-5OB	Orange / Black	1-3/16" x 300'	$35.34	–	–
	PDM-4YB	Yellow / Black	1-3/16" x 300'	$42.89	$41.90	$41.28
	PDM-7GB	Green / Black	1-3/16" x 300'	$41.08	$40.23	$39.70
	PDM-3BB	Blue / Black	1-3/16" x 300'	$38.61	$37.74	$37.19

USEFUL IN THOUSANDS OF APPLIATIONS!



MARKING FLAGS

Highly visible for many uses! The quick, easy way to mark landscape beds, utility lines, rows, etc. Made of durable vinyl for temporary outdoor use. In two sizes: 2-1/2" x 3-1/2" on 21" wire; 4" x 5" on 30" wire. Wide range of colors. Minimum order — 100 flags per color and size. **Priced 100 per bundle.** **Made in the USA.**

2-1/2" X 3-1/2" STANDARD SIZE FLAG WITH 21" WIRE

Standard Colors: Red(1R), white(2W), blue(3B), yellow(4Y), orange(50) and green(7G).

23F-color	Ship wt 3 lb	**$13.89**	**3+ $13.45**	**6+ $13.17**

Fluorescent Colors: Ultra visible glo orange(50), glo pink(6P) and glo lime(9L).

23G-color	Ship wt 3 lb	**$13.89**	**3+ $13.45**	**6+ $13.17**

4" X 5" OVERSIZE FLAG WITH 30" WIRE

Standard Colors: Red(1R), white(2W), blue(3B), yellow(4Y), orange(50) and green(7G).

45F-color	Ship wt 4 lb	**$19.98**	**3+ $19.34**	**6+ $18.94**

Fluorescent Colors: Ultra visible glo orange(50), glo lime(9L) and glo pink(6P).

45G-color	Ship wt 4 lb	**$19.98**	**3+ $19.34**	**6+ $18.94**

CUSTOM MARKING FLAGS

4" x 5" flag. 3" x 3.5" printing area. 21" steel staff. **Priced and sold per 1000.** Minimum buy of 1,000 flags. Ship wt 39 lb.

PMF45	**$139.89**	**3+ $137.55**	**6+ $136.10**

4" x 5" flag. 3" x 3.5" printing area. 21" steel staff. **Priced and sold per 1000.** Minimum buy of 5,000 flags. Ship wt 39 lb.

CF4521	**$180.49**	**3+ $174.71**	**6+ $171.10**

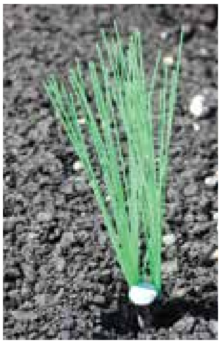
5" x 8" flag. 4" x 4.5" printing area. 30" steel staff. **Priced and sold per 1000.** Minimum buy of 5,000 flags. Ship wt 29 lb.

PMF58	**$183.89**	**3+ $180.31**	**6+ $178.08**

MARKING WHISKERS

Easily identifiable and practically indestructible. These 6" chaser style marking whiskers are a great choice for surveying, utility marking, test sites, irrigation lines and many more. Insert into the ground or wood post with 60-penny nails (#2 x 6" - not included). Designed to provide maximum visibility and bounces back up when run over with lawn mowers, tractors and other heavy equipment. Available in 7 colors: Red (1R), White (2W), Blue (3B), Yellow (4Y), Glo Orange (50), Glo Pink (6P), and Green (7G). Ship wt 1 lb. **Made in the USA.** **Sold as bundle of 25 whiskers.**

MW-color	**$4.44**	**3+ $4.35**	**6+ $4.29**



1R
2W
3B
4Y
50
6P
7G

AERVOE MARKING APPLICATORS

Marking paint and chalk cans slip into trigger handles for an easier-to-use marking system. Now 34" handle has a convenient flag holder. Improved handle ergonomics and easier placement of aerosol cans.

AM10 10" Pistol Marker
$23.58 **3+ $22.91** **6+ $22.49**

AM32 34" Marking Stick
$46.89 **3+ $45.87** **6+ $45.23**

KESON PAINT SPRAY APPLICATOR

Spray as you walk with this paint applicator!
Keson designed their Paint Spray Applicator to eliminate the need for bending over to ground level to mark your measurements. Keson makes the 34" handle shaft of this applicator from steel in a tubular design for strength and durability. The pistol grip, no-slack trigger mechanism sprays when and where you need it. Attach the optional wheel for extended spraying jobs. Remove the wheel for quick spot marking. Paint can sleeve fits all standard U.S. inverted-style aerosol paint cans. Ship wt 2 lb.

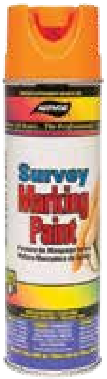
PA35 **$32.49** **3+ $31.82** **6+ $31.40**

AERVOE WATER-BASED MARKING CHALK

Safe on all surfaces, including turf, and designed for temporary marking! Mark disappears in 10-20 days when exposed to water, traffic and other abrasions. Can also be washed away with a pressure washer. Lead free, Toluene free, no CFC's. Inverted spray through cap. **Sold in cases of (12) 15 oz cans.**

Item		Color	Price	3+	6+
AMC-2W		White	$97.89	$94.76	$92.80
AMC-50	🟧	Orange	$68.89	$67.91	$67.30

Note: Due to the nature of the printing process, the color samples may vary from actual paint.



AERVOE SURVEY MARKING PAINT FL

A superior upside-down marking paint designed for surveying. Providing the high color visibility, retention and long lasting, markings will last up to 6 months. Non-clogging cans empty contents completely. Colors meet standards set by OSHA and APWA/One Call Systems. Use by hand or with marking handles. Lead Free, Toluene Free, No CFC's. Ship wt 16 lb. **Sold in cases of (12) 15 oz cans.**

Item #		Color	Price	3+	6+
AMP-2W		White	$83.49	$81.56	$80.35
AMP-1R	🟥	Red	$87.08	$85.04	$83.76
AMP-50	🟧	Orange	$90.89	$88.58	$87.13
AMP-4Y	🟨	Yellow	$77.89	$76.16	$75.08
AMP-7G	🟩	Green	$77.89	$76.16	$75.08
AMP-3B	🟦	Blue	$83.89	$82.10	$80.99
AMP-6P	🟪	Pink	$90.89	$88.54	$87.08

Note: Due to the nature of the printing process, the color samples may vary from actual paint.

KRYLON QUIK-MARK WATER BASED PAINTS

The highest delivery rate combined with the highest amount of content helps Krylon adhere to asphalt, concrete, grass, gravel, and soil in the harshest temperatures and weather. Delivery Rate - 18"-24" in 1.5 seconds. Krylon's Quik Mark spray tips with a .044mm opening produces a 2" wide stripe. Percentage of solids applied per 1.5 seconds - 6.08 gms. Glove Grip Cap is 50% wider for work gloves. Lead and CFC-free. Ship wt 18 lb. **Sold in cases of (12) 17 oz. cans.**

Item		Color	Price	3+	6+
KQM-2W		White	$79.89	$78.17	$77.09
KQM-3B	🟦	Blue	$79.89	$78.17	$77.09
KQM-4Y	🟨	Yellow	$79.89	$78.17	$77.09
KQM-50	🟧	Flo Orange	$79.89	$78.17	$77.09
KQM-6P	🟪	Flo Pink	$79.89	$78.17	$77.09
KQM-7G	🟩	Green	$79.89	$78.17	$77.09

Note: Due to the nature of the printing process, the color samples may vary from actual paint.

TREE MARKING PAINT

See clearly at a distance with this heavily pigmented paint. Goes on quickly, without soaking into the wood. This paint is long lasting, lead free, and meets forestry industry requirements. Does not contain Toluene or Methylene Chloride. Ship wt 15 lb. **Sold in cases of (12) 12 oz cans.**

Item #		Color	Price	3+	6+
TM16-1R	🟥	Red	$78.89	–	–
TM16-3B	🟦	Blue	$80.89	$78.86	$77.59
TMF16-50	🟧	Glo Orange	$101.89	$98.63	$96.59

Note: Due to the nature of the printing process, the color samples may vary from actual paint.

RUST-OLEUM INDUSTRIAL CHOICE M1400 CONSTRUCTION LINE MARKING PAINT

Spray at any angle! Create bold, durable lines with Rust-Oleum® Industrial Choice® M1400 Water-based Construction Marking Paint. Each 17-ounce can features a non-clogging tip. Choose your desired color below. Excellent for construction, excavation, surveying, landscaping, and other commercial operations. This long-lasting formula provides visibility on concrete, pavement, soil, gravel, or grass. You can spray at any angle! Rust-Oleum® Industrial Choice® Marking Paint marks more linear feet than the competition. Dries quickly! No messy tip adjustments, no clogging, and no worrying about the tip popping off! **Sold in cases of 12 cans.**

Item		Color	Price	3+	6+
M1400-2W		White	$112.49	$108.89	$106.64
M1400-3B	🟦	Blue	$89.46	$86.89	$85.29
M1400-4Y	🟨	Yellow	$89.46	$86.89	$85.29
M1400-50	🟧	Orange	$112.49	$108.89	$106.64
M1400-1R	🟥	Red	$89.46	$86.89	$85.29
M1400-6P	🟪	Flo Pink	$112.49	$108.89	$106.64
M1400-7G	🟩	Green	$76.11	$74.61	$73.68

Note: Due to the nature of the printing process, the color samples may vary from actual paint.

AERVOE CONSTRUCTION MARKING PAINT, WHITE

A superior upside-down marking paint designed for surveying. Providing the high color visibility, retention and long lasting, markings will last up to 6 months. Non-clogging cans empty contents completely. Colors meet standards set by OSHA and APWA/ One Call Systems. Use by hand or with marking handles. Lead Free, Toluene Free, No CFC's. Ship wt 16 lb. **Sold in cases of (12) 15 oz cans.**

CMP-2W **$61.89** **3+ $60.89** **6+ $60.27**

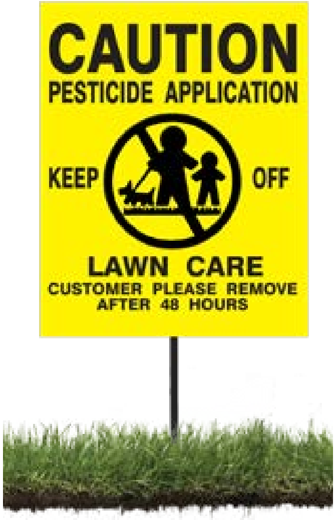
Note: Due to the nature of the printing process, the color samples may vary from actual paint.

CUSTOMIZABLE PESTICIDE SIGNS

CORRUGATED POLY MARKER SIGNS FOR PESTICIDE APPLICATIONS

Colorful, durable and highly visible markers for pesticide application warning required by some states. 4" x 5" with 3-3/4" x 4-3/8" print area. 16" plastic staff. Ship wt 15 lb. **Priced per 1000. Note: These items are non-returnable due to the nature of them being specialized to specific states.** **Custom signs require set up fee.**

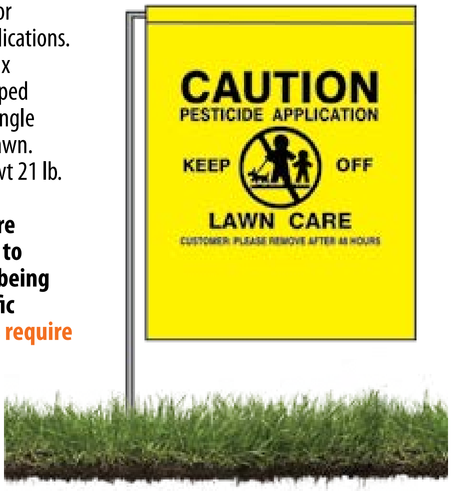
CPM45 **$338.89**
3+ $334.67
6+ $332.03


CAUTION
PESTICIDE APPLICATION
KEEP
OFF
LAWN CARE
CUSTOMER PLEASE REMOVE AFTER 48 HOURS

ECONOMICAL PESTICIDE BANNER FLAGS

An affordable option for marking pesticide applications. These are non-rigid 4" x 5" flags. Flags are shipped straight, bend to 90° angle before inserting into lawn. 24" plastic staff. Ship wt 21 lb. **Priced per 1000. Note: These items are non-returnable due to the nature of them being specialized to specific states.** **Custom flags require set up fee.**

P4524 **$161.89**
3+ $158.58
6+ $156.51


CAUTION
PESTICIDE APPLICATION
KEEP
OFF
LAWN CARE
CUSTOMER PLEASE REMOVE AFTER 48 HOURS

FOR SPECIAL ORDER CUSTOMIZATION CALL 800-543-8955

One time printing set up fee for personalization (Name, Phone # etc.). Note: Sign and ink colors should be determined by **state and EPA regulations** that the sign will be used in. (Example: Ohio regulations = white sign with green printing). **Not returnable.**

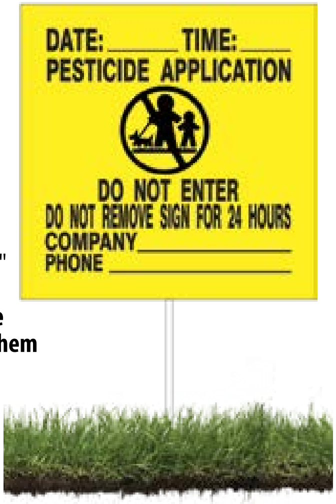
SU **$29.25**

WRITE-ON PESTICIDE SIGNS

QUICK-FILL PESTICIDE WARNING SIGNS

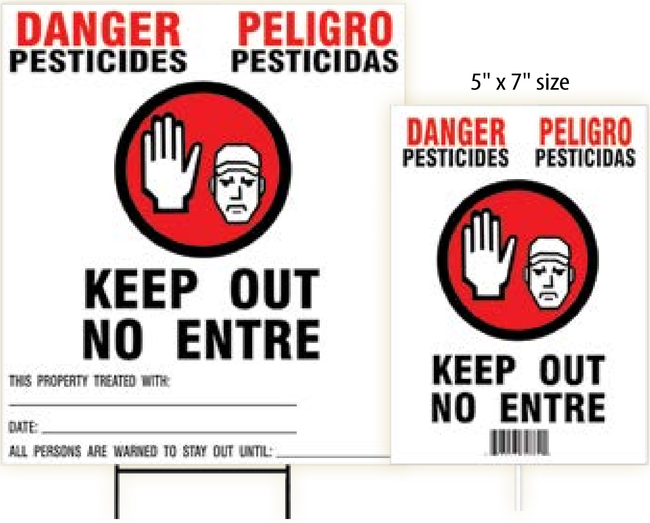
Pre-printed spaces for application date and time as well as your company name and phone number. Made of durable corrugated plastic. Highly visible markers for pesticide application warning required by some states. 5" x 5" with 3-3/4" x 4-3/8" print area. 16" plastic staff. Ship wt 39 lb. **Priced per 1000. Note: These items are non-returnable due to the nature of them being specialized to specific states.**

CPM55 **$513.89** **3+ $503.87**
6+ $497.60


DATE:
TIME:
PESTICIDE APPLICATION
DO NOT ENTER
DO NOT REMOVE SIGN FOR 24 HOURS
COMPANY
PHONE

7" x 11" and 14" x 16" sizes

5" x 7" size


DANGER
PELIGRO
PESTICIDES
PESTICIDAS
KEEP OUT
NO ENTRE
THIS PROPERTY TREATED WITH:
DATE:
ALL PERSONS ARE WARNED TO STAY OUT UNTIL:

A.M. LEONARD
HORTICULTURAL TOOL & SUPPLY COMPANY
NURSERY MARKING PEN

PERFECT FOR WRITE-ON SIGNS!

LEONARD HORT NURSERY MARKING PEN

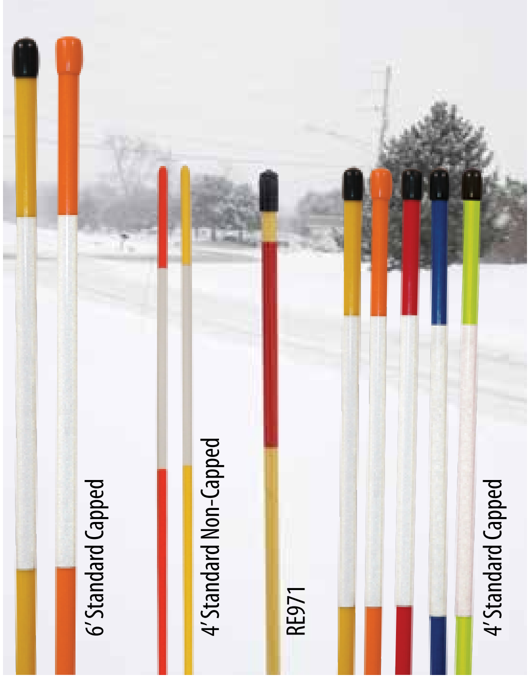
Instant drying, water-proof, non-smearing, permanent. Best for plastic tags and labels, marks on anything! Black.
Sold in packs of 5. Ship wt .5 lb.

HNP8B5 **$20.88** **5+ $20.21** **10+ $19.79**

PESTICIDE WARNING SIGNS

EPA compliant. The agricultural employer must notify workers of all entry restrictions in both outdoor and enclosed space production areas where pesticides are applied. Sign and stake combinations are available in 5 versions to meet your needs. 7" x 11" and 14" x 16" are made from 4 mil white coroplast with black and red print and a metal stake. 5"x 7" is 3 mil coroplast with a 16" pvc staff. Suggested markers for write-on signs: Zig markers, item# HNP8B5, available at amleo.com. Ship wt .1 lb.

Item	Size	Price	4+	8+
PW57	5"x 7"	**$3.96**	**$3.89**	**$3.85**
PW711	7"x 11"	**$3.89**	**$3.80**	**$3.75**
PWA711	7"x 11" (with lines)	**$3.89**	**$3.80**	**$3.75**
PW1416	14"x 16"	**$7.89**	**$7.71**	**$7.60**
PWA1416	14"x 16" (with lines)	**$7.89**	**$7.71**	**$7.60**



AVOID COSTLY MACHINE AND PROPERTY DAMAGE!

REFLECTIVE FIBERGLASS MARKING STAKES

Distinguish Edges and Identify Hazards! Terrific for delineating edges and obstacles. Reflective stripes for added visibility. Rounded top or vinyl cap resists splitting when driven. Pointed end for easier insertion in tough soil. **Sold by the box, see quantities listed below.**

Item	Color	Dia.	Qty	Ship wt	Price	3+	6+
4' Heavy Duty							
RE971	Yellow/Red	.375"	12	6 lb	**$59.49**	**$57.59**	**$56.40**
4' Standard Capped							
RS4-3B	Blue	.25"	25	4 lb	**$24.89**	**$24.49**	**$24.23**
RS4-1R	Red	.25"	25	4 lb	**$52.89**	**$51.20**	**$50.14**
DM4-50	Orange	.25"	25	4 lb	**$42.89**	**$41.52**	**$40.66**
DM4-4Y	Yellow	.25"	25	4 lb	**$39.89**	**$38.61**	**$37.82**
RS4-7G	Green	.25"	25	4 lb	**$51.89**	**$50.23**	**$49.19**
4' Standard Non-Capped							
RS4-4Y	Yellow	.300"	36	10 lb	**$56.89**	**$55.40**	**$54.48**
RS4-50	Orange	.300"	36	10 lb	**$55.89**	**$54.10**	**$52.98**
6' Standard Capped For those really deep snow piles or drifts!							
RSS6-4Y	Yellow	.300"	25	9 lb	**$31.28**	–	–
RSS6-50	Orange	.300"	25	9 lb	**$55.89**	**$54.10**	**$52.98**

A.M. LEONARD EXCLUSIVE!

TOUGH AND COST EFFECTIVE — LESS THAN HALF THE PRICE OF STANDARD FIBERGLASS STAKES!

4' REFLECTIVE BAMBOO STAKES

Keep your boundaries and hazards visible in even the most blizzard of conditions. Bamboo has great flexibility and plenty of strength for keeping parking lots, driveways, sidewalks and obstacles clearly identified. 1/2" x 4' stake is topped with a 6" red reflective tape. In hard, rocky or frozen soils, we recommend a pilot hole during installation. The stake driver tool (#DSD4) is ideal for this and is a BIG time saver! **Priced per bundle of 100.** Ship wt 19 lb.

RSN48 $128.49 3+ $124.38 6+ $121.81

THE WELDED STEP ALLOWS FOR EASY DRIVING OF STAKES

TAKES THE WORK OUT OF PLACING DRIVEWAY STAKES, EVEN IN FROZEN GROUND!

DRIVEWAY STAKE DRIVER TOOL

Simple and strong, this stake driver punches a 7" deep hole; taking the work out of placing fiberglass driveway stakes or markers. Welded step allows for firm foot placement and pressure to simply push the driver into the ground using your own weight. No more hammering wobbly stakes into the cold turf. 3/8" diameter metal rod, measuring 35" overall. Ship wt 2.5 lb.

DSD4 $40.49 3+$39.76 6+ $39.30

SEE MORE GLOVES
ON PAGES 196-198

LEONARD THERMALGRIP LATEX PALM WORK GLOVES

A.M. Leonard's ThermalGrip™ Latex Work Gloves are built to keep you warm and provide an excellent grip. Warmth comes from the heavyweight napped terry acrylic knit liner and the responsive grip is due to the foam latex palm coating. Knit wrist. High Visibility Orange. Size SM - XL. Ship wt 4.6 oz.

L500-size $9.89 8+ $9.57 16+ $9.38

A.M. LEONARD
SA
annuals

WATERPROOF AND PERMANENT!

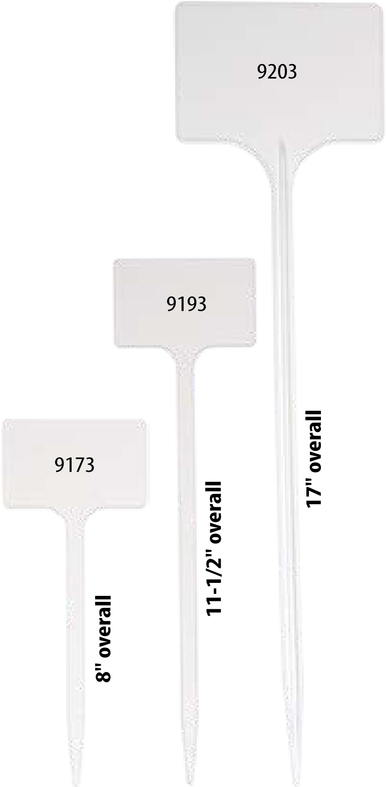
A.M. LEONARD
HORTICULTURAL TOOL & SUPPLY COMPANY
NURSERY MARKING PEN

LEONARD HORT NURSERY MARKING PEN

Instant drying, water-proof, non-smearing, permanent. Best for plastic tags and labels, marks on anything! Black. Ship wt .5 lb. **SOLD IN PACKS OF 5.**

HNP8B $4.49 5+ $4.35 10+ $4.26

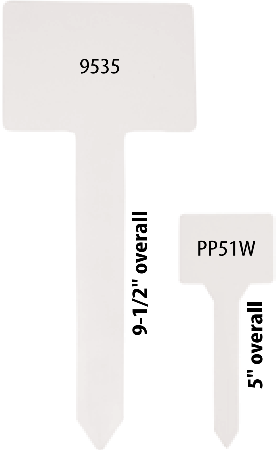
A VARIETY OF PLANT STAKES FOR YOUR EVERY NEED!


9203
9193
9173
8" overall
11-1/2" overall
17" overall

PLASTIC STAKE

These long-lasting, reusable plastic marker stakes are made from durable, heavy plastic and have a large writing area. Ideal for writing with a grease pencil (AML# 70-5SET - sold separately) or marking pen. White only. **Sold in packs of 10**; choose your marker size below.

Item	Size	Price	3+	6+
9173	3″ x 8″	**$9.49**	**$9.19**	**$9.00**
9193	3″ x 11-1/2″	**$6.58**	–	–
9203	4-1/2″ x 17″	**$31.89**	**$30.87**	**$30.23**

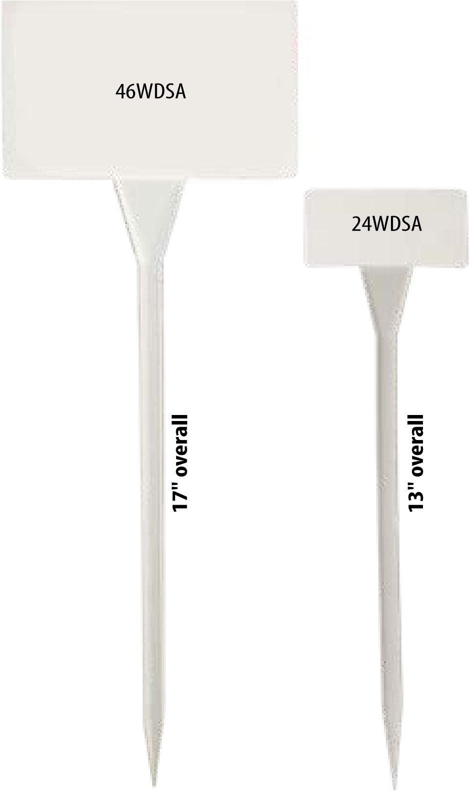

9535
9-1/2" overall
PP51W
5" overall

ECONOMICAL T-STAKES

Snow white, heavy .030 styrene with a smooth, plastic finish for easy writing. Ideal for pricing, general information, etc. Special imprinting available. **Sold in packs of 100.**

9-1/2″ length for large pots, plants, etc.
Ship wt 1.7 lb.
9535 $68.89 4+ $66.69 8+ $65.31

5″ length for smaller pots, plants, flats, seedlings.
.030 thick. 2″ x 1-1/2″ writing area. Ship wt 2 lb.
PP51W $48.89 4+ $47.33 8+ $46.35


46WDSA
24WDSA
17" overall
13" overall

ANGLED DISPLAY STAKES

Heavy-duty white plastic stakes are ideal for pricing bedding plants and more. Write directly on the stake or apply pressure sensitive labels to create your message. Reuse them when you use with our washable waterproof chalk markers.
Sold in packs of 25.

4"x6" Face. 17" Tall. Ship wt 3 lb.
46WDSA $151.49 4+ $146.64 8+ $143.61

2" x 4" Face. 13" Tall. Ship wt 1.5 lb.
24WDSA $34.89 4+ $34.29 8+ $33.91

PROTECTION FROM THE SUN!

Adjustable for comfortable fit!

- 100% straw
- Ventilation rivets
- Adjustable chin tie
- Size: One size elastic stretch for comfort
- Natural color

BROAD BRIMMED STRAW HATS

Made of the highest quality Pachone Straw (from palm leaves); don’t confuse these with hats from China, these are made in North America, from only the top grade of hand-woven straws. Skin cancer is the most common form of cancer in the United States. Doctors recommend wearing sunscreen AND a hat for maximum sun protection. Both hats were personally tested in the heat of a July 4th weekend on Antietam Battlefield by one of our AML Insider Experts, (and his sister) and they passed with flying colors!

Extreme Straw Hat with front crease and 4-3/4” brim
G5024 $21.94

Routine Straw Hat with center crease and 4-5/8” brim
G5025 $21.94

Weave is tight and uniform throughout. It will hold it's shape but is soft and comfortable.

Adjustable for comfortable fit!

SLOGGERS WOMENS BRAIDED WIDE BRIM HAT

With UPF 50+, this Stylish Hat is Great for the Garden. Now you can do what you love without feeling the burn. Wide brim covers face and neck for cooling shade and UV defense. Scrunches into a tote bag for the beach and bounces right back into shape. Hat is wide brimmed, for added face and neck UV protection, and for cooling shade. Soft elastic headband fits most women comfortably. Adjustable wind lanyard keeps it in place as you work. Brown color. Ship wt .5 lb.

GHB01 $29.55

ECONOMY SUN HAT

'Identity' model hat is made from the finest grade A bodies. Features a comfort elastic stretch, and a chin cord for a secure fit. This hat will help to protect you from the sun’s harmful rays. One Size Fits Most.

G4003 $15.49 4+ $15.25 8+ $15.10

WASHABLE, STAIN & WATER RESISTANT!

COMPASS HAT WITH UPF 50+

The Compass Hat is perfect for the active outdoor and everyday user with UPF 50+ protection. A wide coverage brim provides extra protection while the dark under-brim reduces glare. The “convertible” crown venting system offers cool relief while the moisture wicking sweatband provides extra comfort. Lightweight, stain and water resistant fabric construction can be hand washed. Size is adjustable with rear cord lock. Brim front 3 3/4”, rear brim 4”. Cream color. Ship wt .5 lb.

COMPHL-CR $40.95

HI-VIZ RANGER STYLE HAT

Ideal for use in warm weather conditions where you need high visibility to keep you seen! With its full brim, this lightweight hat will keep the wearer cool. The mesh crown keeps sun off your head while providing good ventilation. Includes reflective piping around the crown, and a drawstring to hold it in place even in the windiest conditions. Choose between Large/XLarge and Small/Medium. Ship wt .5 lb.

Small/Medium
RANGER-SM-MD $11.89 4+ $11.70 8+ $11.58

Large/XLarge
RANGER-LG-XL $11.89 4+ $11.70 8+ $11.58

BE SEEN ON THE JOB!

- 2" reflective tape
- Nylon front zipper
- Outside chest pocket and front pocket
- Inside chest pocket

BERNE CLASS II HI-VISIBILITY MULTI-COLOR VEST

Stay safe and seen with BERNE Class 2 Hi-Visibility Multi-Color Safety Vest. Lightweight polyester mesh allows it to keep you cool and comfortable while on the job. Reflective tape with orange accents ensures high visibility. ANSI/ISEA 107-2010 Class 2 Certified for safety and reliability. Ship wt 1 lb.

Item	Size	Price	6+	12+
HVV046YWR440	M	**$16.89**	**$16.56**	**$16.35**
HVV046YWR480	L	**$16.89**	**$16.56**	**$16.35**
HVV046YWR400	XL	**$16.89**	**$16.56**	**$16.35**

NEW

5-POINT BREAKAWAY SAFETY VEST, CLASS II

Vests pull apart on the shoulders, sides, and front when tugged with moderate force. A necessity in protection when working around equipment and machinery. Bright lightweight polyester construction with 2" reflective stripes. Two inside pockets, one right front bottom and one left chest. Easy on and off Velcro front closure. Meets ANSI/ISEA 107-2004 standards. Available in sizes L and 2XL.

BKVSN-50-size	Orange	**$10.89**	**6+ $10.71**	**12+ $10.59**
BKVNS-9L-size	Lime	**$10.89**	**6+ $10.71**	**12+ $10.59**

HI-VIS REFLECTIVE STRIPE SHIRTS

These premium shirts feature a double waist stripe, vertical striping and a convenient chest pocket. Birdseye material helps wick away moisture while on the job to provide extra comfort at a low price. Larger sizes available by special order. ANSI/ISEA 107-2010 Class 3 compliant. Available in MD-3XL. Ship wt .5 lb.

755305-size	Short Sleeve	**$15.53**	**6+ $15.20**	**12+ $14.99**
755355-size	Long Sleeve	**$19.89**	**6+ $19.45**	**12+ $19.17**

V213
Class II
V313
Class III

BREATHABLE MESH VEST

Breathable mesh polyester offers high visibility, increased comfort and durable wear. Lightweight mesh fabric keeps moisture away from your skin. Class 2 features a hook and loop closure (V213) or zipper (V213Z), Class 3 features a zipper only. Vests meet ANSI/ISEA 107-2004 standards for a garment's background and retro-reflective material. Vest sizes MD, LG, XL, 2XL. Color options are orange/silver (50) or lime/silver (9L). Stock up and have your whole crew prepared! Find One For Less? Check the label for the number of washings that their safety vests will handle, ours will last up to 25 machine washings. Silk screening available, call your account manager for details.

Item	Class	Price	6+	12+
V213-color-size	II	**$8.99**	**$8.70**	**$8.52**
V213Z-color-size	II	**$6.11**	**$6.00**	**$5.94**
V313-color-size	III	**$17.20**	**$16.73**	**$16.43**

TALL SIZES AVAILABLE

LINED 2-IN-1 BOMBER JACKET, CLASS III, BLACK BOTTOM

Much like #751301 but with a black bottom panel that hides dirt and is easy-to-clean. Includes zipper pockets, a removable fleece liner, mic tabs on the left and right chest, an inside chest pocket, and cellphone pocket. ANSI/ISEA 107-2010 Class 3 compliant, this jacket is TRULY WATERPROOF. Available in MD, LG, XL, 2XL, 3XL, 4XL, 5XL. Tall sizes: LGT, XLT, 2XLT, 4XLT.

751311-size **$59.86** **6+ $58.70**
12+ $57.97

HI-VIZ SWEATSHIRT

High visibility yellow and black sweatshirt with hood, ribbed cuffs/waist and heavy duty zipper. Larger sizes available by special order. ANSI/ISEA 107-2010 Class 3 compliant. Available in MD, LG, XL, 2XL, 3XL. Ship wt 3 lb.

755325-size **$44.89** **6+ $44.25**
12+ $43.85

SLOW
STOP
SLOW
Extends to 9' tall!

TELESCOPING, TWO-SIDED STOP/SLOW PADDLE

Heavy duty and durable, yet light weight. This Two-Sided Telescoping Stop/Slow Paddle helps get the word out to drivers coming down the road. An 18" octagonal paddle offers high visibility, 8" silk screened letters; "Stop" on one and "Slow" on the other. Paddles are easy for motorist to spot. With a built-in cushioned grip and telescoping pole that extends from 5.5' to 9' tall, you will always want to have this on the truck. A twist on sign holder and hardware hold the sign firmly in place.

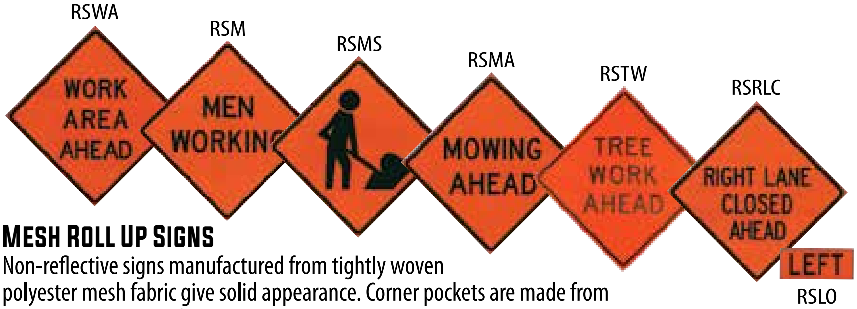
18SSK2 $42.74
6+$41.51 12+ $40.75

TREE WORK AHEAD
Sign not included

TRIPOD SIGN STAND

Quick and easy setup. Includes clips for both rollup and rigid sign panels. Made from durable 1" O.D. galvanized tubing with no sharp edges. Corrosion-resistant. Height: 62" closed, 54" open. Footprint: 50"W x 54"D. Minimum panel display height is 12". Meets MUTCD specifications, NCHRP-350 compliant. Ship wt 9 lb.

T36 $72.49



MESH ROLL UP SIGNS

Non-reflective signs manufactured from tightly woven polyester mesh fabric give solid appearance. Corner pockets are made from tough polycarbonate for durability. Delta pockets on horizontal corners allow signs to be rolled up tighter for storage. Lightweight and easy to stow design, features Velcro strap for securing when rolled up. **Requires fiberglass support ribs (#RB36) sold below.** Ship wt 1 lb.

Item	Legend	Price
RSWA	Work Area Ahead	**$67.89**
RSM	Men Working	**$67.89**
RSMS	Men Working Symbol	**$57.36**
RSMA	Mowing Ahead	**$64.49**
RSTW	Tree Work Ahead	**$67.89**
RSRLC	Right Lane Closed Ahead	**$57.36**
RSLO	"Left" Velcro Overlay for RSRLC	**$18.87**
RB36	Support Ribs (Required)	**$24.89**

RB36

MOWING AHEAD
Sign not included

DYNALITE™ KICKLOCK SIGN STAND

Aluminum and steel construction provides a lightweight and compact design, yet withstands winds to 40 mph! Screwlock™ sign attachment quickly and firmly clamps to the vertical fiberglass rib. Foot-operated leg release quickly locks legs in one of three positions to allow for storage or deployment on uneven terrain. Stand is 12"H with legs that telescope to 38". Accommodates both 36" and 48" signs. Meets MUTCD specifications, NCHRP-350 compliant. Ship wt 15 lb.

SL36 $198.49

HI-VIZ TRAFFIC CONES

The Revolution series is quality manufactured using premium grade PVC injection molding technology, resulting in the most durable traffic cones available in the U.S. market. Wide base for stability, slim cone for wind resistance. Designed to withstand a wide temperature range. Available with or without 3M reflective collars.

Item	Height	Color	Ship wt	Price	6+	12+
18LC	18"	Orange	3 lb	**$21.89**	**$21.19**	**$20.75**
2126	18"	Lime	3 lb	**$20.89**	**$20.22**	**$19.80**
28WC	28"	Orange	7 lb	**$34.89**	**$33.77**	**$33.08**
28WCRC	28"	Orange with 3M reflective collars	7 lb	**$44.89**	**$43.45**	**$42.56**
36WCRC	36"	Orange with 3M reflective collars	10 lb	**$51.89**	**$50.23**	**$49.19**

TRAFIX CONE

The TrafFix Cone is a PVC, injection molded cone that has excellent stability and anti-skid performance. Fluorescent orange makes it easy to spot and fade resistance for long term use in the elements. Available with 4" and 6" reflective collars that are MUTCD compliant for nighttime performance. Cones easily stack for transporting or storage. Available in 18" and 28" cones. **MADE IN THE USA.**

Item	Height	Description	Ship wt	Price	6+	12+
15018WBRC	18"	With collars	3 lb	**$16.59**	**$16.28**	**$16.09**
15018WB	18"	No collars	3 lb	**$11.23**	**$11.03**	**$10.91**
15028WBRC	28"	With collars	8 lb	**$43.89**	**$42.49**	**$41.61**
15028WB	28"	No collars	8 lb	**$25.27**	**$24.70**	**$24.34**

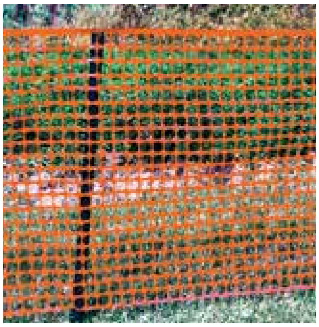
GUARDIAN SAFETY FENCE

Strong, sturdy UV-stabilized plastic fence with a distinctive oval mesh creates a highly visible safety barrier for construction sites, utility work or for crowd control.

G4100-7G	Green, 4' x 100'. Ship wt 8.5 lb.	**$62.89**	**6+ $60.88**	**12+ $59.62**
G450-50	Orange, 4' x 50'. Ship wt 4.5 lb.	**$38.82**	**6+ $37.58**	**12+ $36.80**

Other uses include:

- Safety fence around construction sites
- Block off property lines, unfinished buildings, sewer holes
- Delineation
- Crowd control
- Visual barrier



GUARD AGAINST EVERYTHING FROM SUN, TO BUGS, AND BRANCHES, WHILE YOU WORK

Gray

Clear

In/Outdoor

Mirrored

Blue

ELVEX XENON™

Elvex Xenon safety glasses represent their most lightweight design, so lightweight that it is easy to forget that you have them on (weight is only 0.8 oz or 22 grams). Xenon fits smaller faces and female faces very well. In addition to its stylish good looks Xenon offers a soft rubber nose bridge and colorful rubber inserts on the temples. **99.9% UV protection,** Z87.1 - 2010(+) compliant.

Item	Lens Color	Price	13+	26+
SG14-GRY	Gray	**$4.89**	**$4.73**	**$4.64**
SG14-CLR	Clear	**$3.89**	**$3.77**	**$3.69**
SG14-IO	In/Outdoor	**$6.89**	**$6.67**	**$6.53**
SG14-M	Mirrored	**$3.96**	**$3.89**	**$3.85**
SG14-3B	Blue	**$2.79**	–	–

Gray

Clear

CREWS BEAR KAT

The wide view that these face-hugging glasses provide makes them safer and more comfortable. Your vision is unobstructed by the dual lens design, which by its tight fit allows maximum protection. Flexible, non-slip rubber temples for comfort. Polycarbonate lenses with a scratch resistant coating. **Blocks 99.9% of UV rays.** Z87.1 – 2010(+) compliant. Ship wt .5 lb.

CR11-GRY	Gray	**$3.89**	**13+ $3.77**	**26+ $3.69**
CR11-CLR	Clear	**$3.89**	**13+ $3.77**	**26+ $3.69**

Blue Mirror

Clear

In/Outdoor Mirror

Clear with Black Frame

NEW BRAVA SAFETY GLASSES

Hard coated polycarbonate single lens glasses. Integrated polycarbonate nose piece. Soft, flat spatula style arms. Frameless design. Stainless steel hinge screws. 9.5 base curve. Meets the requirements of ANSI Z87.1 - High Impact **Sold by the box of 12 pairs.**

Item	Lens Color	Price	13+	26+
BRAVAFF	Blue Mirror	**$40.89**	–	–
17940	Clear	**$15.89**	**$15.60**	**$15.41**
17942	In/Outdoor Mirror	**$23.89**	**$23.13**	**$22.65**
17961	Clear with Black Frame	**$20.89**	**$20.49**	**$20.24**

Clear

Smoke

In/Outdoor

BALSAMO™ SAFETY GLASSES - Balsamo™ Safety Glasses are designed with polycarbonate lenses and lightweight frames. Balsamo™ frames feature a soft rubber nosepiece and temple pads. Choose your desired lens color below. Each box contains 12 pairs of glasses. Radians Balsamo™ Safety Glasses protect you from both impact and UV rays. The lenses meet ANSI Z87.1 standards for impact resistance. They also block 99.9% of harmful UV rays. Radians Balsamo™ Safety Glasses combine comfort, protection, and a low price. Their flexible temples allow for a non-slip fit. The nose and temple pads maximize comfort and prolonged use. **Sold by the box of 12 pairs.**

Item	Lens Color	Price	13+	26+
BAL1-10	Clear	**$21.48**	**$21.03**	**$20.75**
BAL1-11	Clear, Anti-Fog	**$32.49**	**$31.59**	**$31.03**
BAL1-20	Smoke	**$25.49**	**$24.88**	**$24.50**
BAL1-21	Smoke, Anti-Fog	**$28.14**	**$27.69**	**$27.41**
BAL1-90	In/Outdoor	**$24.09**	**$23.77**	**$23.58**

Gray, Anti-Fog

Clear

CARHARTT BILLINGS SAFETY GLASSES

These economical unisex safety glasses feature a wrap around frame yet doesn't sacrifice style. The lightweight frameless design has clean line of vision, with clean lines, and a comfortable fit. Typical Carhartt design to help you feel safe on the job while looking good! Meets ANSI Z87.1 high impact requirements as well as CAN/CSA Z94.3.07. Ship wt .1 lb.

Item	Lens Color	Price	13+	26+
BIL-GAF	Gray, Anti-Fog	**$5.30**	**$5.21**	**$5.15**
BIL-GRY	Gray	**$3.74**	–	–
BIL-CAF	Clear, Anti-Fog	**$4.33**	**$4.28**	**$4.25**
BIL-CLR	Clear	**$3.76**	**$3.71**	**$3.68**

Blue Blocker

Gray/Black

Gray/White

Clear/Black

Clear/White

ELVEX HELIUM GLASSES

Introducing the Helium 20™ – Only 20 grams, designed to fit broader facial profiles while offering extended lens coverage. Class 1 distortion-free optics. ErgoFit™ Temples fit the contour of your head for an amazingly comfortable, secure, non slip fit even with ear muffs and headgear. Extended polycarbonate lens coverage for great protection and style, and absorbs 99.9% of harmful UV A,B and C, 180-380nm. Ship wt .5 lb.

Item	Frame	Lens Color	Price	13+	26+
HEL-BBB	Black	50% VLT Anti-Fog Blue Blocker	**$5.05**	**$4.94**	**$4.88**
HEL-CPB	Black	Clear	**$4.21**	**$4.08**	**$3.99**
HEL-CB	Black	Clear Anti-Fog	**$4.43**	**$4.37**	**$4.34**
HEL-GB	Black	Grey Anti-Fog	**$6.89**	**$6.67**	**$6.53**
HEL-CW	White	Clear Anti-Fog	**$3.90**	–	–
HEL-GW	White	Grey Anti-Fog	**$5.30**	**$5.14**	**$5.04**

PASSAGE SAFETY GLASSES

Passage has a lightweight frame and slim, flexible temples with rubber temple pads for a comfortable, non-slip fit. It is an ANSI Z87.1+ safety glass that offers **99.9% UV protection**, and the impact resistant polycarbonate lens has been treated with a hard coat to prevent scratching. Available in clear, clear anti-fog, smoke, and indoor/outdoor lenses. Passage comes with an attachable neck cord so safety glasses are always conveniently within reach.

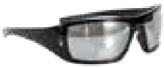
PASS-GRY $2.19 13+ $2.14 26+ $2.12

Ice Orange

Gray

Clear

Ice Blue


Mirror

GOLIATH SAFETY GLASSES

Join a new realm of eyewear! Goliath demonstrates strength with style and protection, designed for either work or play. Wrap-around, sunglass style fits all facial sizes. First class optical lens provides unrestricted vision but still has full eye coverage, permanent side protection, and is resistant against high impact. Lightweight, contemporary frame is comfortable for both working environments and recreational activities. Comfort-fit, rubber temples prevent eyewear from slipping to provide maximum performance. Exceeds ANSI Z87.1 high impact standards. Black frame. **99.9% protection against UV light.** Ship wt .5 lb.

Item	Lens Color	Price
GOL-BC	Clear	**$3.92**
GOL-BG	Gray	**$9.89**
GOL-BO	Ice Orange	**$6.39**
GOL-BB	Ice Blue	**$6.90**
GOL-BS	Mirror	**$5.72**

NEW BOAS SAFETY GLASSES

Sleek, Comfortable and Affordable

- Lightweight polycarbonate frames ensure worker acceptance
- Integrated nose piece
- Stainless steel hinge screws
- Meets the requirements of ANSI Z87.1 - High Impact
- Wraparound design fits snugly for total optical protection
- 9.75 base curve
- **Sold by the box of 12 pairs**

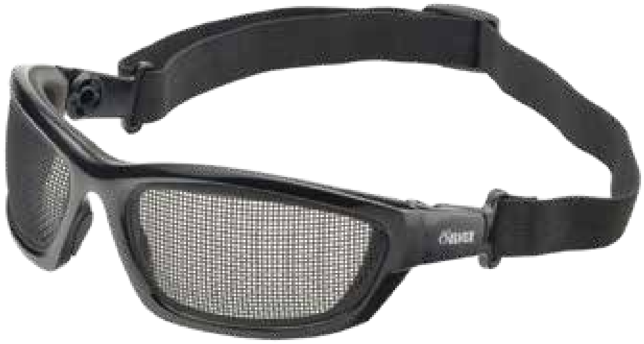
Item	Frame	Lens	Price
RSG400	Matte Black	50% VLT Copper Blue Blocker	**$104.49**
15401	Gray	Gray	**$54.59**
15308	Clear	In/Out Mirror	**$54.49**

Copper
Gray
Clear

ECONOMICAL SAFETY GLASSES, 12-PACK

For the employer who wants to help protect his employee's eyes, buying safety glasses a dozen at a time can save money! And you can keep some extra on hand without breaking the bank, in case someone forgets or mows over them. OSHA Z87.1 - 2010(+) compliant. The wraparound style provides a near total seal around the eye, assuring a high level of protection with a stylish look. Lightweight poly carbonate lens, with a universal nosebridge, and a spatula temple design. **Sold in boxes of 12 pairs.**

AM12SG-GRY	Gray	**$20.89**	**13+ $20.26**	**26+ $19.87**
AM12SG-CLR	Clear	**$20.89**	**13+ $20.26**	**26+ $19.87**



NO LENSES TO FOG UP IN HUMIDITY!

ELVEX AIRSPECS STAINLESS STEEL MESH SAFETY GLASSES

For humid environments where nothing else keeps lenses from fogging up. Designed to protect the eye socket from pokes and prods of stationary or very low energy, non-fragmenting objects over 1 mm in diameter. Ship wt .1 lb.

GG-50	**$9.89**

ELVEX OVR-SPECS™

Let's face it, past **"over the spectacle"** safety glasses were bulky and boring. With new OVR-Spec design the frame is less bulky than the traditional OVR-Spec, and is equipped with small side windows to aid peripheral vision, and soft rubber temple tips that make it comfortable to wear, even hours later. These OVRs fit over medium-sized glasses up to 5.75" wide. So comfortable, you might even use them as your everyday sunglasses. Ballistic impact rated and exceeds ANSI Z87.1 - 2010(+) and CE EN-166 requirements, providing **99% UV protection.** Ship wt .5 lb.

SG37-G	Gray	**$7.39**	**13+ $7.24**	**26+ $7.14**
SG37-C	Clear	**$5.06**		

FITS OVER YOUR PRESCRIPTION GLASSES!

CHAINSAW PROVEST 2

Chest and shoulder protection with convenient pockets! The ProVest™ vest has Prolar™ protection in the upper chest and shoulder area to protect the user against dangerous chain saw kickbacks. Four outside and two inside pockets improve functionality. Breathable outer fabric, mesh back panel, and open sides make the ProVest™ ideal for hot, humid conditions. Available in Large (42-44”) and Extra Large (46-48”), the newly re-designed ProVest™ has expandable side sizing adjustments and is a significant improvement on an already leading product. Ship wt. 2 lb.

JE70L	Large	**$82.45**	**3+ $80.47**	**6+ $79.24**
JE70XL	X-Large	**$106.07**	**3+ $103.68**	**6+ $102.18**

REDUCE CHAINSAW INJURIES!

Safety Orange

Safety Green

Forest Green

FORESTER APRON STYLE CHAINSAW CHAPS

Protective leg garment is designed to reduce the risk of severity of injury to body parts covered by pads, should they come in contact with a running saw. Oil and water resistant oxford outer. Choose from Safety Green chaps featuring 2” wide reflective stripes, or from Forest Green or Safety Orange. All chaps include a side pocket. Wash by hand in cold water, hang dry.

Item	Color	Length	Price	3+	6+
CSCA-50-32	Safety Orange	32” (Short)	**$79.46**	**$77.06**	**$75.57**
CSCA-50-36	Safety Orange	36” (Medium)	**$90.49**	**$87.77**	**$86.07**
CSCA-50-40	Safety Orange	40” (Long)	**$100.49**	**$97.27**	**$95.26**
CSCA-SG-36	Safety Green	36” (Regular)	**$90.49**	**$87.59**	**$85.78**
CSCA-SG-40	Safety Green	40” (Long)	**$73.71**	**$71.77**	**$70.56**
CSCA-7G-32	Forest Green	32” (Short)	**$65.37**	**$64.10**	**$63.31**
CSCA-7G-36	Forest Green	36” (Medium)	**$62.18**	**$61.17**	**$60.53**
CSCA-7G-40	Forest Green	40” (Long)	**$73.71**	**$71.77**	**$70.56**

ELVEX WRAPAROUND CHAINSAW CHAPS

Ideal for loggers, DOT, DPW and utility workers, arborists, and landscapers, Elvex 91 series chain saw chaps feature 1,000 Denier Nylon, Prolar lightweight protective pads, and adds wrap-around protection around the calves. Apron-style design with quick-release buckles for waist and legs, easy to put on and take off. Includes zippered front pocket with large pull tab. These chainsaw chaps meet the requirements of ASTM Standard for Leg Protection for Chain Saw Users (F-1897-2008).

Item	Waist	Price	3+	6+
JE9133	33”	**$159.49**	**$156.20**	**$154.14**
JE9136	36”	**$161.38**	**$157.14**	**$154.49**
JE9139	39”	**$143.89**	**$141.85**	**$140.57**

ULTIMATE HAND PROTECTION FOR USE IN CRITICAL WORK AREAS

GOATSKIN CUT-LESS GLOVES WITH KEVLAR LINING

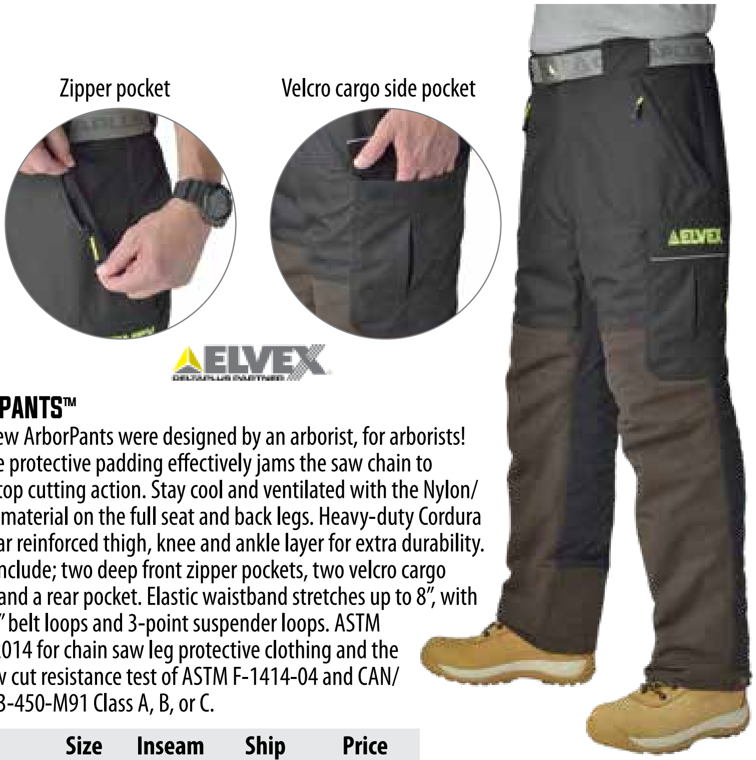
These gloves combine a goatskin outer layer with a DuPont Kevlar liner. They also feature Kevlar stitching for increased protection. These gloves are large in size. Goatskin Cut-Less Gloves provide ultimate protection against cuts, abrasions, punctures, arc-flash, oil, and water. The outer goatskin layer offers a great combination of comfort and durability. The Kevlar lining and stitching provide increased protection. These gloves offer incredible protection from most working hazards. They have a PPE level 3 rating as well as ANSI cut resistance of A4. They offer an Arc Thermal Protection Value (ATPV) of 36 calories per square centimeter! Available in sizes MD, LG and XL.

WRK1555-size $26.89 6+ $26.42 12+ $26.12

6-POINT RATCHET ADJUSTABLE VENTED CAP

Vented cap with 25 dB noise muffs and steel mesh visor.

CU30V $79.89 3+ $77.40 6+ $75.84


Zipper pocket
Velcro cargo side pocket

ARBOR PANTS™

Elvex's new ArborPants were designed by an arborist, for arborists! ProlarLite protective padding effectively jams the saw chain to quickly stop cutting action. Stay cool and ventilated with the Nylon/Spandex material on the full seat and back legs. Heavy-duty Cordura and Kevlar reinforced thigh, knee and ankle layer for extra durability. Pockets include; two deep front zipper pockets, two velcro cargo pockets, and a rear pocket. Elastic waistband stretches up to 8", with large 1.5" belt loops and 3-point suspender loops. ASTM F-1897-2014 for chain saw leg protective clothing and the chain saw cut resistance test of ASTM F-1414-04 and CAN/BNQ 1923-450-M91 Class A, B, or C.

Item	Size	Inseam	Ship	Price
JEAP1M29	M	29"	2.5 lb	**$269.89**
JEAP1M32	M	32"	2.5 lb	**$283.89**
JEAP1L31	L	31"	2.6 lb	**$264.89**
JEAP1L34	L	34"	2.8 lb	**$269.89**
JEAP1XL32	XL	32"	2.8 lb	**$269.89**

- Non-Vented Cap
- Visor Bracket
- Lexan® Faceshield
- Black Muff, NRR 25
- Tectra Safety Cap Meets Class E, G & C Requirements

6-POINT RATCHET ADJUSTABLE UNVENTED CAP

This system has the same specifications as CU30V, but is unvented and is equipped with a Lexan face shield. This face shield offers impact resistance, and is intended for power tools that may send high velocity objects flying in the direction of the operator.

CU30L $110.49 3+ $106.95 6+ $104.74

LIGHTWEIGHT HARD HAT

Contoured dome maximizes protection while providing a sleek, low profile. Meets ANSI Z89.1 Type 1, Class C, G and E requirements. Comfortable 4-point nylon Ratchet Suspension. Lightweight rugged polyethylene shell offers excellent protection at only 13.5 oz. Universal slots for hearing and visor accessories. Soft brow pad is easily replaced and/or washable. Available in colors: Red (1R), White (2W), Blue (3B), Yellow (4Y), Orange (50), and Green (7G). Ship wt .5 lb

Ratchet Suspension

2W
4Y
50
1R
3B
7G

CH4R-color $8.40 3+ $8.22 6+ $8.11

Other suspension options & colors available in quantities of 12. Call 1-888-558-8665 for quote and lead time.

MAXIMUM COMFORT AND PROTECTION

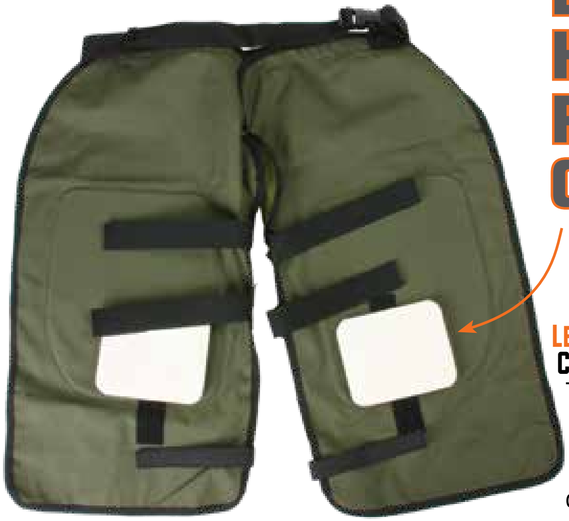
LEONARD PREMIUM HEDGE TRIMMER CHAPS

This **premium version** of our Leonard chaps reduce the chance of hedge trimmer injuries to the thigh, knee, and groin! The outside material is now breathable, making these more comfortable to wear. Additionally, we have made the inside thigh panels more flexible, and drilled hoes in them to further increase their breathability. These fully adjustable hedge trimmer chaps provide maximum comfort and protection. They are abrasion, tear, and snag-resistant. The front helps you stay cleaner and a durable cloth liner keeps you comfortable.

These chaps feature a one-piece design equipped with a quick-release plastic snap buckle on the belt. They attach around the legs with stretchable straps and hook & loop fasteners for that perfect fit. Ensure that you engage the hook and strap loops completely for a secure fit.

Pull the straps tight and the tough, flexible thigh panels bend to provide comfortable protection. An open back, breathable outside layer, more flexible and drilled interior thigh panels, and shorter length maximize coolness. The included kneepads provide even more comfort during cleanup! These chaps are medium-green in color on the outside, the inside color may vary depending on material availability. **Sewn in the USA!**

Item	Size	Ship wt	Price	3+	6+
AHTCP-SM	Small	1.5 lb	**$107.80**	**$105.62**	**$104.25**
AHTCP-MD	Medium	1.7 lb	**$134.89**	**$131.25**	**$128.97**
AHTCP-LG	Large	1.8 lb	**$159.89**	**$154.97**	**$151.90**



BUILT-IN KNEEPADS FOR ADDED COMFORT!

LEONARD HEDGE TRIMMER CHAPS WITH KNEEPADS

These fully adjustable hedge trimmer chaps provide maximum comfort and protection. They are abrasion, tear, and snag-resistant. The waterproof front helps you stay dry and a durable cloth liner keeps you comfortable.

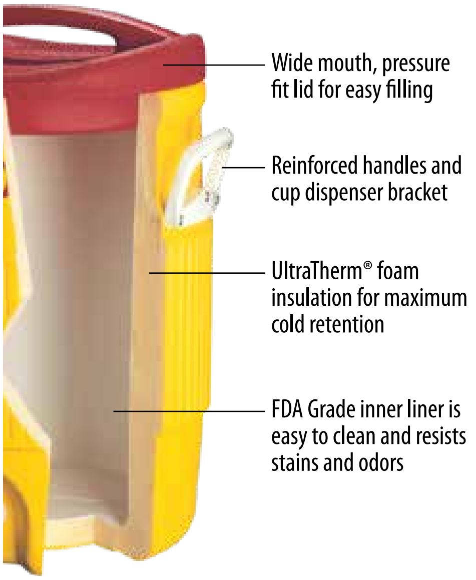
These chaps feature a one-piece design with a quick-release plastic snap buckle on the belt. They attach around the legs with stretchable straps and hook & loop fasteners for that perfect fit. Ensure that you engage the hook and strap loops completely for a secure fit.

Pull the straps tight and the tough, flexible thigh panels bend to provide comfortable protection. An open back and shorter length maximize coolness. The included kneepads provide even more comfort during cleanup!

These chaps are medium-green in color on the outside, the inside color may vary depending on material availability.

Item	Size	Fits	Price	3+	6+
AHTC-SM	Small	4’10” to 5’5” / 90 to 140 lb	**$115.17**	**$111.56**	**$109.31**
AHTC-MD	Medium	5’5” to 5’10” / 140 to 175 lb	**$130.89**	**$127.59**	**$125.53**
AHTC-LG	Large	5’10” and up / 175 lb+	**$152.89**	**$148.54**	**$145.81**

STAY COOLER & HYDRATED WHILE WORKING IN THE HEAT!


Wide mouth, pressure fit lid for easy filling
Reinforced handles and cup dispenser bracket
UltraTherm® foam insulation for maximum cold retention
FDA Grade inner liner is easy to clean and resists stains and odors

451C
431C
igloo
INDUSTRIAL 5-GAL. DRINKING WATER
INDUSTRIAL 3-GAL. DRINKING WATER

COMMERCIAL GRADE IGLOO COOLERS

Rugged, durable Igloo Industrial Commercial Grade Water Coolers keep water cold, clean and available. HDPE exterior won't chip, peel, buckle or rust. UV stabilizers prevent fading, cracking. "Drinking Water" imprint meets OSHA requirements. All parts are replaceable. **Made in the USA.**

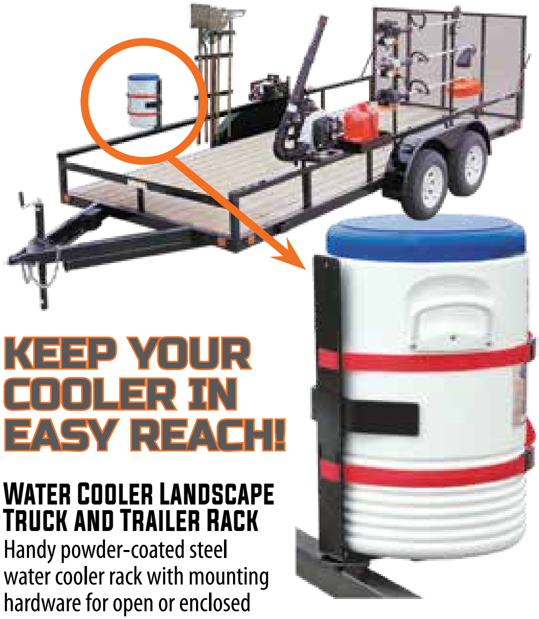
431C	3 Gallons	Ship wt 6 lb	**$58.59**	**3+ $57.56**	**6+ $56.92**
451C	5 Gallons	Ship wt 8 lb	**$74.89**	**3+ $72.91**	**6+ $71.67**

fruit punch
powderPACK
Sqwincher
THE ACTIVITY DRINK
orange
PROFESSIONAL GRADE HYDRATION

SQWINCHER 2.5 GAL DRY PACK

When things heat up, you need to replenish lost electrolytes - Sqwincher does that better than anyone else! Water alone cannot sufficiently prevent heat stress. In a recent test, Sqwincher was rated the best-tasting, most overall accepted industrial sport drink. Your team will like the taste, and be more likely to stay hydrated. Powder mix makes 2 1/2 gallons.

Item	Flavor	Price	3+	6+
SQ25-FP	Fruit Punch	**$5.09**	**$4.99**	**$4.93**
SQ25-LL	Lemon Lime	**$5.59**	**$5.47**	**$5.39**
SQ25-OR	Orange	**$5.09**	**$4.99**	**$4.93**



KEEP YOUR COOLER IN EASY REACH!

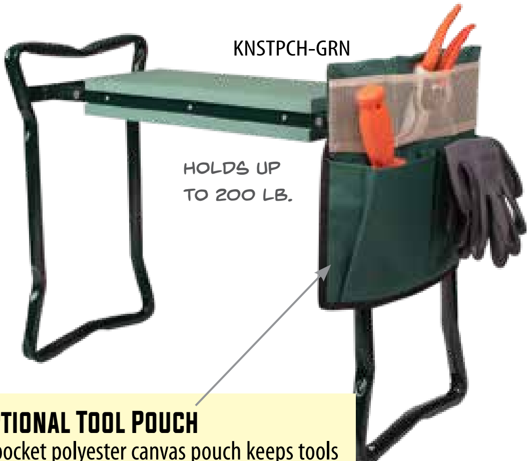
WATER COOLER LANDSCAPE TRUCK AND TRAILER RACK

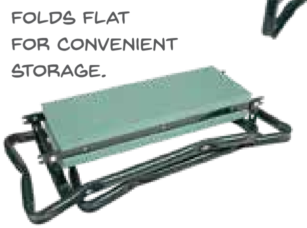
Handy powder-coated steel water cooler rack with mounting hardware for open or enclosed trailers. Two adjustable straps fit most standard coolers. Ship wt 9 lb. **Made in the USA.**

CRLT25 **$88.49** **3+ $86.30** **6+ $84.93**

ENJOY COMFORT ON THE WORK SITE!

BOTH SIDES PADDED
FOR EXTRA COMFORT.





OPTIONAL TOOL POUCH

2-pocket polyester canvas pouch keeps tools at hand and easily accessible. Ship wt .5 lb.

POUCH **$3.86** **3+ $3.77** **6+ $3.72**

GARDEN KNEELER & BENCH

Your back and knees will truly appreciate the comfort the Foldable Garden Kneeler Seat. Both sides are cushioned with comfortable, non-absorbent, 3/4″ poly foam pads. Sturdy steel frame with tough powder coated finish for long life. Spring action legs/handlebars lock securely into place. Seat area measures 16″W x 6.25″D x 17.25″H. Ship wt 6 lb.

KNSTPCH-GRN	With pouch	**$79.06**	**3+ $77.13**	**6+ $75.92**
KNST-GRN	Without pouch	**$49.86**		

ARTICULATED KNEEPADS

These premium quality Gel-Tek™ kneepads have our articulated strap configuration, incorporate the Stabili-cap™ design, and combined with padding layers of injections molded polyurethane and gel, offer the ultimate in all day comfort. Ship wt 1.8 lb

378 **$69.89** **3+ $68.66** **6+ $67.90**

LEONARD KNEELING PAD

A comfortable kneeling surface for all jobsite needs. Waterproof and lightweight to make it easy to move as you work. A generous 16″ x 7″. Vinyl-coated. Ship wt .5 lb.

GNP **$17.89** **3+ $17.32**
6+ $16.96

SELF ADJUSTING KNEE PADS

This Product Solves the 4 Common Problems with Conventional Knee Pads. No longer do you have to endure straps binding behind your legs. No longer do you have to endure the uncomfortable sweaty feeling you have wearing knee pads that don't move. And because you don't sweat, these don't smell even after being worn all day...day after day! Finally, once you have these adjusted to your comfort level, you'll never have to adjust them again. Wear shorts? No adjustment. Jeans? No adjustment. Insulated coveralls? No adjustment. See the video at amleo.com. Ship wt 2 lb.

SAKP **$30.97**

- Beveled edge design.
- Silicone free material.
- Oil or petroleum contact will not degrade the NBR material.
- The unique handle location provides the user with a more convenient kneeling area.
- Superior shock absorbing and cushioning properties allow for knee protection and comfort.

INDUSTRIAL KNEELING PAD

With a unique handle location, the Industrial Kneeling Mat is great for keeping knees protected and comfortable while working. The mat features shock absorbing and cushioning properties, in addition the NBR material does not degrade with oil or petroleum contact.

Item	Size	Price	3+	6+
KP302	21″ x 14″	**$37.89**	**$37.35**	**$37.00**
KP303	28″ x 16″	**$50.05**	–	–
KP305	36″ x 18″	**$69.89**	**$69.01**	**$68.46**

NEW AND IMPROVED!
KITS MEET ANSI 2021 STANDARDS!

NEW & IMPROVED!
A.M. LEONARD
FIRST+AID KIT
ANSI
WEATHERPROOF STORAGE CASE
AMLEO.COM | 800-543-8955
81

NEW

LEONARD FIRST AID KITS

New and Improved Leonard First Aid Kits contain all the required items from **ANSI z308.1-2021**. Type 3 kits are portable, mountable, and water resistant. See the complete list of contents at amleo.com.

Item	Treatments	Class	Pieces	1-2	4+	8+
FAK25A	25 Person	A	81	**$37.89**	**$37.30**	**$36.93**
FAK25AP	25 Person	A+	142	**$41.49**	**$40.88**	**$40.51**
FA25	25 Person	–	157	**$40.49**	**$39.63**	**$39.08**
FAK50B	50 Person	B	246	**$72.49**	**$71.09**	**$70.22**

NEW & IMPROVED!
A.M. LEONARD
LANDSCAPER'S
FIRST+AID KIT
ANSI
DESIGNED FOR THOSE WHO WORK OUTSIDE
AMLEO.COM | 800-543-8955

DESIGNED FOR THOSE WHO WORK OUTSIDE!

Includes Outdoor Essentials:
- SunX® Sunscreen
- IvyX™ Pre-Contact
- BugX® Insect Repellent
- Insect Sting Wipes
- Hydrocortisone
- Lip Ointment

NEW

LEONARD LANDSCAPER'S FIRST AID KIT

New and Improved! The Leonard Landscaper's First Aid Kit was designed for those who work outside. It contains all the required items from **ANSI z308.1-2021, plus outdoor essentials**. This Type 3 kit is portable, mountable, and water resistant. See the complete list of contents at amleo.com.

FAK25L $36.49 4+ $35.57 8+ $35.00

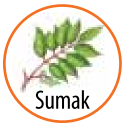
CALAGEL® MEDICATED ANTI-ITCH GEL

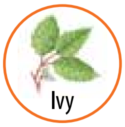
Get the rapid relief you're looking for without getting messy pink lotion on your skin and clothes. Calagel® dries quickly, leaving behind an **invisible anti-itch** skin protectant shield. Calagel® is perfect for insect bites, sunburns, minor cuts, and poison oak and ivy rash. 6 oz bottle.

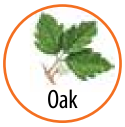
CCG1 $7.27 3+ $7.12 6+ $7.03

tecnu
CALAGEL
Anti-Itch Gel

TECNU® CLEANSING TREATMENT


Sumak


Ivy

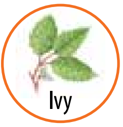

Oak

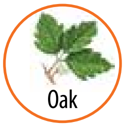
Formulated to unlock urushiols, the oils in **poison oak, ivy and sumac** from skin and clothing. When used within 2-8 hours of exposure, normally removes the oils before the rash begins and allows the natural healing process to begin without possible recontamination. Wt 12 oz.

PICT $21.49 3+ $20.80 6+ $20.37

tecnu
ORIGINAL
OUTDOOR SKIN CLEANSER
Removes Poison Oak & Ivy Oils

TECNU EXTREME® POISON IVY SCRUB


Ivy


Oak

Don't let poison ivy & oak interrupt your outdoor plans! With Tecnu Extreme® Poison Ivy Scrub you can cleanse away the rash-causing oil from poison ivy and oak plants and get back to doing what you love most whether it be landscaping, camping, hiking, biking, disc golf, or gardening! Use before or after the rash appears. If you know you have been exposed to **poison ivy or oak**, use Tecnu Extreme® within 8 hours to remove urushiol first, then apply Calagel to relieve itch and pain! 4 oz bottle.

PICTE $15.71 3+ $15.47 6+ $15.31

tecnu
EXTREME
Poison Ivy & Oak Scrub

NEW

STOP THE BLEED

(1) Triangle bandage
(1) Israeli Bandage
(1) Hand Sanitizer
(1) Hemostat
(1) 3" Gauze Roll
(2) Oval eye Pads
(1) Kit Tape
(1) Emergency Blanket
(2) Disposable Gloves
(1) Quick Release Tourniquet
(1) EMT Shear

2003 $8.73 3+ $8.59 6+ $8.49

STOP THE BLEED

IVY X PRE-CONTACT BARRIER

Acts as an invisible barrier to help protect against outdoor irritants. Ivy X Pre-Contact Skin Solution dries quickly and is non-greasy with no wait time after applications and is almost unnoticeable on the skin. 4 oz bottle.

PRE-4 $3.03 3+ $2.96 6+ $2.92

IvyX
SOLUTION

IVY X POST-CONTACT SKIN CLEANSER

Is effective in assisting in the removal of poisonous plant oils (Urushiol) found in Poison Ivy, Poison Oak and Poison Sumac. Standard soap and water will not emulsify poisonous plant oils, but this Cleanser is designed to be "Wetter than Water" to start the emulsifying process to assist in removing plant oils before you skin reacts to exposure. 4 oz. bottle.

POST-4 $2.32 3+ $2.29 6+ $2.28

IvyX
CLEANSER

STAY SAFE WHILE HANDLING HAZARDOUS CHEMICALS!

PLASTIC RATCHET HEADGEAR

"The Ultimate™ Headgear HG-25 is a high performance dielectric construction accommodating face shields, visors and mesh screens. It features: A customizable head hugging suspension for secure fit and all day wear, High Density Polyethylene Browguard, Low Density Polyethylene Suspension, Cotton & PU Foam Sweatband, POM Knobs. Blue color. The HG-25 may be used with other face shields, visors and mesh screens.

HG-25 **$15.89** **3+ $15.53** **6+ $15.31**

Polycarbonate Face Shield
FS15P **$10.89**

MOLDED CLEAR POLYCARBONATE FACE SHIELD

Features a non-proprietary, high quality polycarbonate material that has similar in performance characteristics to Lexan®. Aspherical design allows optimal freedom of movement in all directions. Offers wraparound, splash and impact protection. Universal Hole Pattern on Elvex® face shields, also fit on the more popular headgear brands. Elvex® face shields fit to our HG-25 and HG-35 headgears. Material: Molded Aspherical Polycarbonate.

FS-12PC **$9.89** **3+ $9.70** **6+ $9.58**

SPC
SPILL KIT

BRADY SPC® PORTABLE UNIVERSAL SPILL KIT

Brady SPC® Portable Spill Kits combine absorbents, accessories, needed PPE and instructions in a space saving container so you are prepared when a spill occurs. Highly versatile, grey absorbents pick up water-based, petroleum-based and chemical fluids. The yellow PVS bag offers high visibility spill control storage so kit can be quickly located in an emergency situation. Improve worker productivity and efficiency by placing spill kits around your facility where spills are prone and one in the truck. The portable spill kit is ideal for fast spill response.

SKA655 **$69.89** **6+ $68.49** **12+ $67.62**

CAUTION
SPILL RESPONSE KIT

CHEMICAL SPILL CLEAN UP KIT

Ideal for any crew that handles chemicals! Cleans up a 5-6 gallon chemical spill quickly and safely. Ship wt 8 lb.

SRK **$152.33** **6+ $148.68** **12+ $146.40**

Contents:
- (3) Chemsorb tubes for containing the spill
- (2) Large Chemsorb pillows to absorb chemicals
- (1) Pair of Nitrile rubber gloves
- (3) Disposal bags
- (1) Duffel bag for quick access, easy storage

PESTICIDE
PESTICIDA
FLAMMABLE

CHEMICAL STORAGE CABINET

For safe and secure storage of pesticides, herbicides, fertilizers, flammables and other chemicals. Ideal for golf courses, agricultural interests, lawn care companies, park districts, recreational facilities, and nurseries. FM approved; meets OSHA & NFPA 30 requirements. MOTOR FREIGHT DELIVERY.

Item	Capacity	Shelves	Size	Ship wt	Price
PC53	30 Gallon	1	44" x 43" x 18"	221 lb	**$1,725.49**
PC54	45 Gallon	2	65" x 43" x 18"	299 lb	**$1,629.49**
PC56	60 Gallon	2	65" x 34" x 34"	366 lb	**$2,554.49**

CHEMICAL WASH APRON

The Chemical Wash Apron resists chemicals, acids, oils and solvents. Made of butyl rubber. Grommets are rust resistant. Adjustable neck and waist ties and hook and loop strips combine to have 36"-46" length for a custom fit. One size fits most. 46" L x 30" W. Ship wt 1 lb. **Made in USA.**

CWA05 **$103.89** **3+ $101.82**
6+ $100.53

PROTECTION WHEN HANDLING CHEMICALS

NATURAL RUBBER GLOVES

Unlined liquid proof gloves protect against water based pesticides and where acids are used. 18″ overall, 40 mil, unlined, rolled cuff. Sizes: LG or XL. Ship wt 1 lb.

1399G-size $9.18 3+ $8.94 6+ $8.79

UNLINED NITRILE GLOVE

22 mil, 19″ gauntlet with pebble finish palm. Extra-tough scratch and puncture-resistant. For use with category A, E or F pesticides; EPA 40 CFR 170, see chemical label. Sizes: LG or XL. Ship wt .5 lb.

HW23-size $7.57 3+ $7.45 6+ $7.38

NITRILE GLOVE

15 mil protection. Resistant to water or gas permeability, abrasion, tears, and heat. Accepted by USDA. Compliance: EPA 40 CFR 170. Sizes: LG or XL. Ship wt .5 lb. **Sold in bundles of 12 gloves.** **Made in the USA.**

NG24-size $20.64 3+ $20.32 6+ $20.12

N-DEX® NITRILE DISPOSABLE GLOVES

Powder-free gloves of 100% nitrile with extra long 11″ rolled cuff, 6 mil, chemical resistant, triple the puncture resistance of rubber and vinyl disposable gloves. Meets Government CFR 21, 170-199 specs for food and pharmaceutical applications. Choose sizes: MD, LG or XL. **Box of 50 gloves.** **Made in USA.** Ship wt 1 lb.

9905-size $48.89 3+ $47.33 6+ $46.35

SHOWA NITRILE DISPOSABLE GLOVES

4 Mil — A low cost alternative for when you need the qualities of nitrile. These powder-free gloves are an ideal solution for customers who operate on a disposable latex glove budget. Bisque finish for tactile sensitivity, 9.5″ rolled cuffs make them easy to put on and take off. Choose sizes: SM, MD, LG, or XL. Ship wt 2 lb. **Box of 100 gloves.**

7500PF–size $13.07 3+ $12.87 6+ $12.74

KINCO DISPOSABLE NITRILE GLOVES

Kinco's 5-mil nitrile gloves are comfortable all while protecting your hands. These disposable gloves conform to your hands without being too tight. With textured surface grip and dexterity greatly improve especially when working with small or slick items. Made from the highest chemical and puncture resistance that is offered, when punctured nitrile gloves will make a noticeable tear so you know immediately when the glove is no longer safe to use. Great for soil or spraying work. Available sizes: MD, LG, and XL. Ship wt 1.5 lb. **Pack of 40 gloves.**

2310-size $14.98 3+ $14.63 6+ $14.41

KINCO DISPOSABLE WHITE POWDERED LATEX GLOVES

Lightly-powdered interior allows hands to slip in & out of gloves easily & assists with comfort & moisture absorption. 6-Mil latex gloves offer high chemical and puncture resistance. Made from a high industrial grade latex and a rolled beaded cuff to for easy removal. The latex material offers greater elasticity than vinyl or nitrile and offers protection against most chemicals. A beaded buff also provides greater protection against tearing. Available in sizes MD and LG. Ship wt 1.5 lb. **Pack of 100 gloves.**

SLB0104-size $11.54 3+ $11.31 6+ $11.16

AMBITEX NITRILE GLOVES

These Nitrile gloves allow instant hand protection without the visibility of dirt or grime and other contaminants. These powder-free gloves are Medical Quality nitrile, lightly textured for grip. Ambidextrous style fit either hand, with a rolled cuff making them easier to put on or take off. Durable nitrile is a great alternative to latex for those with allergies. Single use. Choose from MD, LG, XL, and XXL. **Box of 100 gloves.**

29B-size $31.49 3+ $30.48 6+ $29.85
29B-XXL $38.41 3+ $37.67 6+ $37.20

GREEN-DEX BIODEGRADABLE

A major breakthrough with ECO BEST TECHNOLOGY™ (EBT). EBT accelerates the biodegradation of nitrile in biologically active landfill with anaerobic digesters. EBT is composed of organic materials designed to make GREEN-DEX™ attractive to microbial activity. These micro-organisms consume the EBT and excrete enzymes that depolymerize the nitrile. The final result is biogases and inert humus. Sizes: S, M, L, XL. **Sold 100 pairs per box.**

THE WORLD'S FIRST BIODEGRADABLE DISPOSABLE 4MIL NITRILE GLOVE!

6105BIO-size $13.07 3+ $12.87 6+ $12.74

RESPIRATORS TO HELP YOU BREATHE EASY.

6100-SERIES HALF-MASK RESPIRATORS

Stay safe and comfortable with these easy-to-use respirators! 3M designed these half-mask respirators to be comfortable and lightweight. Their low profile allows for good visibility. 3M also designed these respirators for ease of use. Simply select the filter appropriate to your task and twist it on or off. These masks work with all 6000-series filters (sold separately). Available in 3 sizes; SM, MD, LG. Ship wt .5 lb.

6001-size **$20.89**

7500 SERIES REUSABLE RESPIRATORS

Soft sealing surface, and 3M™ Cool Flow Exhalation Valve enhances wearer comfort and face fit. Made from durable silicone and can be used with all our 3M filters and cartridges. Reusable unit. Cartridges not included, sold separately. Sizes: SM, MD and LG. Ship wt .5 lb.

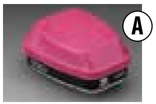
M7500-size **$43.89** **3+ $42.86** **6+ $42.22**

A FULL FACE REUSABLE RESPIRATOR!

FULL FACE RESPIRATOR

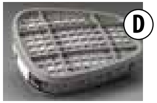
A full face reusable respirator that offers you comfort, convenience, and cost savings. Thermosplastic elastomer construction, with a silicone face seal: Which makes it extremely soft, light and easy to wear. Large hard-coated lens for unobstructed vision. Cartridges not included, purchase separately. Sizes: SM, MD, and LG. (Pictured with cartridge. Sold separately.) Ship wt .7 lb.

F6000MD	Medium	**$261.89**	**3+ $255.64**	**6+ $251.74**
F6000LG	Large	**$261.89**	**3+ $255.76**	**6+ $251.94**


A

B

C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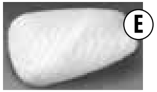
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F

SELECT THE CARTRIDGES YOU NEED TO FIT YOUR 3M 7500 HALF MASK AND 6000 FULL AND HALF MASKS

Key	Item	Description	Price
A	**60921**	**Organic Vapor w/P100** NIOSH approved. Provides respiratory protection from certain organic vapors and particulates. Cartridge includes permanently attached P100 filter. Ship wt .5 lb.	**$40.45** Pack of 2
B	**60923**	**Organic Vapor/Acid Gas/P100** NIOSH approved. Provides respiratory protection from certain organic vapors, chlorine, hydrogen chloride, sulfur dioxide, hydrogen sulfide (escape only) and hydrogen fluoride. Cartridge includes permanently attached P100 filter. Ship wt .5 lb.	**$48.81** Pack of 2 Ship wt .5 lb
C	**60926**	**Multi Gas/Vapor/P100** NIOSH approved. Provides respiratory protection from certain organic vapors and particulates, chlorine, hydrogen chloride, sulfur dioxide, chlorine dioxide, hydrogen sulfide, ammonia, methylamine, formaldehyde and hydrogen fluoride. Cartridge includes permanently attached P100 filter. Ship wt .5 lb.	**$47.04** Pack of 2
D	**MC61**	**Organic Vapor Cartridge** NIOSH approved. Provides respiratory protection from certain organic vapors. For protection from particulates add MP571 - P95 pre-filter. Order retainers to hold in place, item MC501. Ship wt .5 lb.	**$23.44** Pack of 2
E	**MP571**	**Particulate Pre-Filter P95** NIOSH approved for certain oil and non-oil based mists. Use in conjunction with MC61. Require retainer MP501. Ship wt .5 lb.	**$32.18** Box of 10
F	**MC501**	**Pre-Filter Retainer** used to secure pre-filter MP571.	**$4.70** each

WASHABLE & DISPOSABLE

SUNRISE PROTECTIVE CLOTHING WITH DUPONT TYVEK®

Meets ANSI Standard 101-1006 sizing standard. Air passes through, but particulates can't with this lightweight yet breathable clothing. Washable, disposable zipper front garments for superior protection. Virtually tear-free, snag and puncture proof. The garment of choice for dust and dirt cleanup, asbestos removal, lead abatement, paint spraying, light splash, maintenance, general cleanup, and cleanroom tasks. Choose elastic waist pants, snap-front shirts, or one-piece zippered coveralls. Available in SM - 2XL. Ship wt .5 lb.

Item	Description	Price	3+	6+
P160-size	Shirts	**$7.26**	**$7.10**	**$7.01**
P150-size	Pants	**$6.42**	**$6.25**	**$6.15**
P120-size	Coveralls	**$8.79**	**$8.61**	**$8.50**

P160

P150

P120

WASHABLE AND REUSABLE!

RZ MASK™ 2.5 ENVIRONMENTAL MESH DUST MASK

The RZ M2.5 Mesh Dust mask is constructed out of moisture wicking, lightweight, breathable mesh fabric. With dual-exhalation valve system that removes moisture and keeps unfiltered air out, lets you breathe more comfortably all while protecting your lungs. An adjustable nose clip and straps ensures a comfortable fit all while creating a 360° seal. Each mask comes with two standard F1 Active Carbon Filters which have been tested to be 99.9% effective blocking particles down to 0.1 micron. Mask are durable and washable. Replacement filters also available. Available in 3 sizes; MD, LG, XL. Ship wt. .5 lb.

RZMSK25-size	Dust Mask	**$40.76**	**3+ $39.81**	**6+ $39.21**
RZF2-size	Filter 3-Pack	**$12.59**	**3+ $12.27**	**6+ $12.08**

CHEMICAL PROTECTIVE COVERALLS WITH ATTACHED HOOD

The unique barrier film and continuous filament nonwoven polypropylene in these coveralls provide an even higher level of protection. Sewn and bound seams. Resistant to liquids and dry particulates. Attached hood, elastic wrists and ankles. Yellow. Available in LG-2XL.

C428-size **$13.77**
3+ $13.41 **6+ $13.18**

IN-EAR PROTECTION

NEW

DELTAPLUS QUATTRO EAR PLUGS

- The QUATTRO™ EP-402 un-corded reusable ear plugs with plastic carrying case for storage and chain attachment.
- Outlasts PVC ear plugs and provides all-day comfort.
- Plastic Carrying Case and Chain may be attached to belt loop, bag or other work tools.
- Four-Flange Rounded Design Creates an Effective Seal.
- Wash and reuse for weeks without losing its attenuation and effectiveness.
- Resists ear wax and body oils.
- Sturdy Stem is Easy to Grip for Insertion & Removal.
- **Sold as Box of 50 pairs**

EP402 $78.80 13+ $77.15 26+ $76.12

NEW

DELTAPLUS QUATTRO CORDED EAR PLUGS

- The QUATTRO™ EP-412 corded reusable ear plugs makes removing and refitting more convenient and reduces ear plug loss.
- Plastic Carrying Case and Chain may be attached to belt loop, bag or other work tools.
- Four-Flange Rounded Design Creates an effective seal.
- Nylon Braided Cord prevents ear plug loss.
- Outlasts PVC ear plugs and provides all-day comfort.
- Wash and reuse for weeks without losing its attenuation and effectiveness.
- Resists ear wax and body oils.
- **Sold as Box of 50 pairs**

EP-412 $97.46 13+ $95.42 26+ $94.14

NEW

CONICFIRO EAR PLUGS

- Universal size, fit virtually any shape of ear canal.
- Suitable for all auditory canals regardless of their shape
- Profiled design with 3 fins: more material in contact with the ear canal
- Optimized sealing and noise attenuation
- Built-in, firm handle allows user to direct the angle of insertion, adapting to each ear canal.
- Resistant to ear wax and body oils.
- Woven nylon cord - Keep the plugs on hand
- Dielectric, lightweight. 9.4 oz., 268g.

Box of 50 pairs of reusable TPR earplugs with fabric Nylon cord. Can be used with or without cord. Thermoplastic (TPR).

CONICFIRO500R $56.00 3+ $54.83
6+ $54.10

Bluetooth
27 DB NRR

ISOTUNES™ PRO 2.0

ISOtunes™ PRO 2.0 combines ear protection with Bluetooth pairing. These earbuds have a 16-hour battery life and noise-canceling microphone to make and receive calls. Comfort-fit ear hook gives a secure fit for any ear. When not in use hook the loops within each other to secure are your neck. ISOtunes™ PRO 2.0 are ANSI-Certified NRR 27dB. SafeMax technology keeps volumes at safe levels. The built-in microphone blocks out loud background noise so you can make clear calls even while sitting on your equipment or in any loud environment.

With an IP rating of 67 for dust, water and sweat and made from an ultra-durable, chrome-plated brass ear stem, these will hold up for all season use. Every ISOtunes™ PRO 2.0 comes with 4 pairs of ISOtunes™ TRILOGY foam ear tips, one pair of silicone triple flange ear tips, a USB charging cable, two cable management clips, one alligator clip and a new and improved storage case for added durability when not in use. Ship wt .5 lb.

IT-21 $133.49 3+ $130.97 6+ $129.39

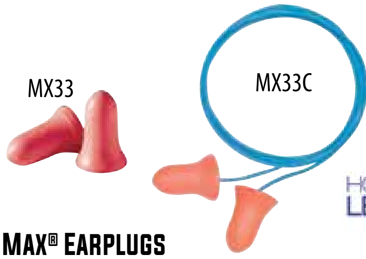
ML30C
ML30
30 DB NRR

MAX LITE® EARPLUGS

Ideal for workers with smaller ear canals. Low-pressure green polyurethane foam expands gently for comfortable long-term wear. T-shape delivers ease of handling. NRR rating 30dB. Tested to ANSI S3.19-1974. Ship wt 1 lb.

Uncorded, 200/Box
ML30 $50.89 3+ $49.26 6+ $48.24

Corded, 100/Box
ML30C $52.89 3+ $51.35 6+ $50.39



MAX® EARPLUGS

Superior noise-blocking performance at 33 dB NRR the MAX is the **highest rated disposable earplug** in the U.S. Soft orange foam with smooth, soil-resistant outer skin. Tested to ANSI S3.19-1974.

Uncorded, 200/Box
MX33 $51.89 3+ $50.78 6+ $50.08

Corded, 100/Box
MX33C $55.89 3+ $54.10 6+ $52.98

AVOID PERMANENT EAR DAMAGE!

NEW **ISOTUNES LINK 2.0 -** ISOtunes™ LINK 2.0 Bluetooth® Earmuffs are OSHA-compliant and ANSI-certified with a noise reduction rating (NRR) of 24 decibels. These adjustable Bluetooth-enabled earmuffs feature a noise-isolating microphone. A multi-function button on the side allows you to adjust volume, skip/pause/play music, or answer/decline calls. These earmuffs include a lithium-ion battery but can also accommodate (3) AAA batteries for extended use. ISOtunes™ outfits LINK Earmuffs with their signature SafeMax™ Technology. In addition to a rechargeable battery, each pair also includes a micro-USB charging cable and a quick-start guide. ISOtunes™ LINK Earmuffs allow you to take calls or listen to music while protecting your ears. These earmuffs use Bluetooth® to connect to your phone quickly and easily and are compatible with Siri and Google Assistant. ISOtunes™ SafeMax™ Technology keeps the volume output at or below 85 decibels to keep you protected without sacrificing music or call quality. The noise-isolating microphone blocks out steady-state noise to maximize call clarity. The rechargeable lithium-ion battery provides 50 hours of continuous use; insert three AAA batteries to extend this to more than 28 hours. ISOtunes™ LINK Earmuffs combine comfort, durability, and performance. The adjustable headband and soft, memory foam ear cushions allow for a comfortable fit all day long. These earmuffs have no antenna to snag or break. They have an IPX4 rating for water-resistance, making them incredibly durable. Boom Mic (IT-85) sold separately.

24DB
NRR
IT-48
IT-85

IT-48	Earmuffs	**$132.49**
IT-85	Boom Mic	**$32.49**

ANTI-NOISE EARMUFFS

These earmuffs offer soft Superseal cushions, low headband force, and adjustable side clips. Choose a 25 or 28 dB NRR noise rating. Solid, durable construction, and light weight at only 6.8 oz. Ship wt .5 lb.

28DB
NRR
ELVEX
DELTAPLUS PARTNER
25DB
NRR

MaxiMuff™ Red, 28 dB, cushioned band

HB35	**$15.89**	**3+ $15.54**	**6+ $15.32**

ValueMuff™ Blue, 25 dB

HB25	**$11.89**	**3+ $11.57**	**6+ $11.38**

UP TO 140 HOURS OF LISTENING TIME!

PELTOR™ WORKTUNES™

WorkTunes™ hearing protector radio has 5 AM/FM presets and a 3.5 mm jack for audio input; NRR 26 dB. Get hearing protection and entertainment all in one! Great hearing protection with digital radio; digital display screen has low battery indicator. Uses two AA batteries (not included) that deliver about 140 hours of listening time. Antenna is hidden to keep from snagging on things. Ship wt 1.2 lb.

WT546	**$120.89**	**3+ $118.23**	**6+ $116.56**

TERMINATOR EARMUFFS

Radians Hi Visibility Terminator™ 29 premium, lightweight earmuff provides excellent protection with superior comfort. The bright, hi-viz ear cups provide excellent visibility during the daytime, and the reflective material on the headband provide visibility at night. The adjustable, padded moisture wicking headband moves moisture away from your head to keep you cool and comfortable. NRR 29dB.

Hi-Viz Green

TERM-HVG	**$28.49**	**3+ $27.65**	**6+ $27.13**

Hi-Viz Orange

TERM-HVO	**$28.49**	**3+ $27.65**	**6+ $27.13**

VERISHIELD FOLDING HIGH-VIZ EARMUFFS

Hearing protection devices are only effective when they are worn, so comfort is essential. The Honeywell 100 Series Passive Earmuffs are designed to provide optimum comfort over long periods of use. They fit a wide size range, have a wide cup opening with memory foam ear cushions, and a lightweight cushioned headband, making them solutions users will want to wear. 27dB NRR. Ship wt .28 lb.

HV28	**$33.89**	**3+ $33.23**	**6+ $32.81**

VS130 VERISHIELD BLACK EARMUFF

Wherever there is noise, VeriShield 130 is the answer. Potentially harmful levels of industrial noise can arise for hundreds of different reasons in a thousand different working environments. The Honeywell Howard Leight VeriShield 130 Passive Earmuffs are designed to provide optimum comfort over long periods of use. They fit a wide range of head sizes, have a wide cup opening with memory foam ear cushions, and a lightweight cushioned headband, making them a solution users will want to wear. NRR 30dB. Ship wt .85 lb.

BM31	**$38.89**	**3+ $38.39**	**6+ $38.08**

CLASSIC STEEL DESIGN PRESERVES FUEL AND POURS EASILY!

Exclusive "stay-on" funnel with a flexible hinge. Reduces splashes with large bowl. Allows filling of can without removing. Ship wt 3 lb.

11202Y **$13.65**
3+ $13.42 **6+ $13.27**

JUSTRITE TYPE I SAFETY CANS

Built-in protection puts the "safe" in safety can. Type 1 safety cans meet OSHA and NFPA 30 standards, and are UL listed and FM approved. Detachable 11" x 3/4" O.D. polyethylene funnel for easy pouring into small, restricted openings. Spring loaded, self-closing cap prevents spillage. Free flow double mesh metal flame arrester dissipates heat to prevent flash back ignition, double mesh screening keeps liquids flowing freely. Ergonomic handle for easy pouring. In two sizes. Red cans come with funnel.

Item	Description	Gallons	Ship wt	Price	3+	6+
1055	Red with Funnel	2.5	6 lb	**$84.12**	**$82.54**	**$81.55**
1080	Red with Funnel	5	7 lb	**$84.31**	**$82.82**	**$81.89**
10511*	Yellow – Diesel	2	5 lb	**$86.41**	**$84.72**	**$83.67**
10811*	Yellow – Diesel	5	8 lb	**$99.51**	**$97.54**	**$96.31**
10510*	Blue – Kerosene	2	8 lb	**$86.35**	**$84.67**	**$83.61**
10810*	Blue – Kerosene	5	8 lb	**$96.25**	**$94.54**	**$93.48**
10512*	Green – Oil Based Fuels	2	8 lb	**$84.56**	**$83.02**	**$82.06**
10812*	Green – Oil Based Fuels	5	8 lb	**$96.25**	**$94.54**	**$93.48**

* Use Color to Designate Contents and Avoid Errors. Funnels sold separately.

Ergonomically designed lift lever opens wide for easy filling.

Safe-Squeeze® trigger handle provides fast, smooth, controlled pouring.

JUSTRITE®

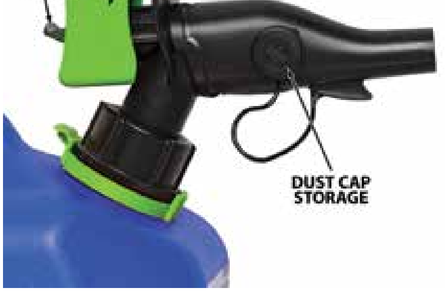
Flexible 9" hose offers targeted pouring into small openings.

JUSTRITE TYPE II ACCUFLOW™ CANS WITH STAINLESS STEEL FLAME ARRESTER

Fully compliant Justrite Type II AccuFlow safety cans feature the superior pour control and smooth flow of the exclusive vented AccuFlow™ manifold and Safe-Squeeze® trigger handle. They also offer a long-lasting stainless steel flame arrester and flexible metal hose for fast pouring into small openings. Large ID zone on label allows user to clearly mark contents. Like all Justrite steel safety cans, quality is backed by a 10-year limited warranty. Ship wt 9 lb.

Item	Color	Contents	Gallons	Price
JR225	🟥	Gas	2.5	**$123.72**
JR250	🟥	Gas	5	**$124.30**
JR2252	🟨	Diesel	2.5	**$153.77**
JR2502	🟨	Diesel	5	**$129.37**
JR2253	🟦	Kerosene	2.5	**$153.77**
JR2503	🟦	Kerosene	5	**$154.37**
JR2254	🟩	Oil Based Fuels	2.5	**$128.77**
JR2504	🟩	Oil Based Fuels	5	**$129.37**

USE COLOR TO DESIGNATE CONTENTS AND AVOID ERRORS.



NEW SCEPTER® SMARTCONTROL™ FUEL CANS

Make Fueling Equipment a cleaner, safer, better experience! The next generation of durable, easy-to-use fuel cans by Scepter. The SmartControl™ fuel cans now feature a handle on the rear of the can in addition to the traditional top handle. Allowing for more grip, better handling, and less spills. Scepter fuel cans utilize a straight forward spout design with a squeeze controlled flow rate. While the safety lock and flame mitigation device add a layer of protection.

FSCG501	Gasoline 5 Gal Red	Ship wt. 2.9	**$29.98**	**3+ $29.38**	**6+ $29.00**
FR1G201	Gasoline 2 Gal Red	Ship wt. 1.8	**$23.93**	**3+ $23.45**	**6+ $23.15**
FSCD501	Diesel 5 Gal Yellow	Ship wt. 2.9	**$32.18**	**3+ $31.64**	**6+ $31.30**
FSCK501	Kerosene 5 Gal Blue	Ship wt. 2.9	**$32.18**	**3+ $31.64**	**6+ $31.30**

QUICKFILL MINI GAS CAN BOTTLE

OSHA approved, meets ATSM-F852-08 standards for portable gas containers. Convenient, reusable, refillable 18 oz mini fuel storage container. Saves time and money running back to the work truck to fill up small gas powered engines like trimmers, snow blowers, chain saws and more. No cap to unscrew or lose, simply insert into gas tank and push. It won't overfill, the flow stops automatically once it reaches full capacity. Self-venting, spill proof container designed to prevent harmful vapors from escaping. Clips onto your belt loop for quick access. Ship wt .42 lb. **Made in the USA.**

QF18 **$21.51** **3+ $20.82** **6+$20.39**

NS56
NS57
NS50
NO-SPILL

NO-SPILL®

NO-SPILL® CARB FUEL CANS

Easy to use thumb button control does not push down on your tank's filler neck, making it ideal for smaller equipment. Simply insert the patented 7/8" nozzle into your tank's neck, and press the green button to control fuel flow; flow stops when fuel reaches the spout. This CARB-Compliant gas can was designed to empty completely without tilting. Pour rate up to 3 gal/min, semi-translucent container allows you to see your fuel level. Specially treated body for low permeation meets CARB requirements. The 5-gallon has an additional rear handle for balanced pouring. 3-year manufacturers warranty. 2.5 gal: Ship wt 2 lb. 5 gal: Ship wt 4 lb. **Made in USA.**

Item	Description	Price
NS25	Red 2.5 Gallon	**$29.27**
NS50	Red 5 Gallon	**$46.40**
NS56	Blue 5 Gallon	**$49.94**
NS57	Yellow 5 Gallon	**$47.21**
NSS6	6" Flexible Spout Extension	**$8.00**

NEW

SHOPCLIP COMPOSITE STORAGE CLIPS PACKAGE OF 6

The same heavy duty composite tool clips now available in a screw-in, wall mountable version. Quickly and easily organize your workshop or tool shed. These UV-treated tool clips fit nearly all professional-grade long-handled and D-grip tools. Use to hang or store any object with a diameter of 7/8 to 1-5/8 inches. These simple, low profile clips will help make the most out of any storage space. Sold in a package of 6 clips with two inner clips for smaller diameter handles. This versatile clip includes an insert for smaller diameter handles. Multi-purpose Philips head fasteners are provided . Ship wt. 0.8lb.

SHOPCLIP $25.95
3+ $25.20 6+ $24.73

MAGNETIC LANDSCAPERS' CLIP

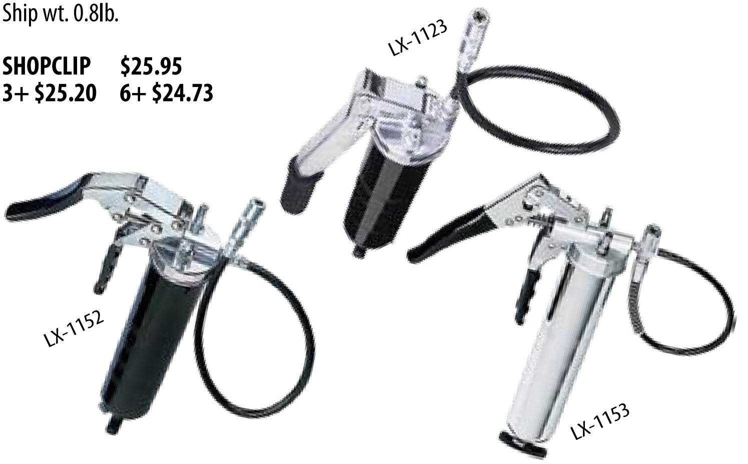
Sold in pairs. The perfect storage and organization device. Designed with contractors in mind! A UV-treated composite material makes the Magnetic Landscapers' Clip super strong. It contains a powerful 80 lb pull force neodymium magnet for sturdy mounting on steel surfaces. This versatile clip includes an insert for smaller diameter handles. It fits nearly all professional-grade long-handled tools with a handle diameter of 7/8" to 1-5/8". Use these Magnetic Landscapers' Clips to make the most of your storage space. Use them to keep your truck organized. Or use them to mount your tools to your machine, keeping them both safe and accessible. **Sold in pairs**. Ship wt .5 lb. **Made in the USA.**

LANDCLIP $25.71
3+ $24.98 6+ $24.53

MAGNETIC GREASE GUN CLIPS

Sold in pairs. These Magnetic Grease Gun Clips feature a UV-treated composite construction. Each clip contains two 65 lb pull force magnets. They hold nearly any item that measures 2-1/4" to 3-3/4" in diameter. Sold in pairs. A pair of these clips securely fastens a grease gun to any magnetic surface. Use them to attach your grease gun to the cab of your vehicle or machinery. The heavy-duty composite material makes these clips durable and rigid. Although designed for grease guns, these magnetic clips have hundreds of uses. Do not use to secure items overhead. **Sold in pairs**. Ship wt .5 lb. **Made in the USA.**

GREASECLIP $29.09
3+ $28.37 6+ $27.92



LUMAX GREASE GUNS WITH 18" FLEX HOSE

Lumax chrome-plates the handle of this grease gun to protect it from corrosion. Oil-resistant, contoured grips provide comfort during use. An air bleeder valve releases trapped air during filling. It also features a filler nipple with a ball check for use with a grease filler pump. Lumax designed the posi-lock follower rod with ergonomics in mind. A T-handle provides increased grip. A heavy-duty follower spring allows for consistent priming. Each gun comes complete with an 18" flex hose, a 4-piece hardened jaw coupler with a ball check, and a non-drip cap. Offers 3-way loading. You can fill it with standard grease cartridges, by suction, or by bulk fill in any position.

Item	Type	PSI	Ship wt	Price	3+	6+
LX-1123	Lever	10,000	3 lb	**$39.94**	**$39.04**	**$38.48**
LX-1152	Pistol	7,500	3.7 lb	**$38.13**	**$37.20**	**$36.62**
LX-1153	Pistol	8,500	3.4 lb	**$49.30**	**$48.36**	**$47.77**

LUMAX LOCKING GREASE COUPLER

Lumax equipped their Locking Grease Coupler with their proprietary lock and release mechanism. This innovative design enables you to latch firmly onto grease fittings. A hardened 4-jaw design and an integrated non-return valve allow this coupler to withstand high pressures. The Lumax Locking Grease Coupler offers you the worlds highest pressure rating! The integrated non-return valve makes the unit easy to disconnect at up to 15,000 psi. It also allows the tool to withstand up to 22,000 psi burst pressure. The hardened jaw design prevents deformation at these high-pressure ranges. Moreover, thanks to the high-performance hydraulic seal, this coupler gives you years of use. Ship wt .2 lb.

LX-1403 $31.49 3+ $30.89 6+ $30.52

CRESCENT®

DON'T BE CAUGHT UNPREPARED. HAVE THE TOOLS YOU NEED, ON HAND, WHEN YOU NEED THEM.

150 PIECE

CRESCENT® BRAND TOOL SETS

A carefully selected assortment of hand tools for most industrial, mechanical, and consumer applications. Set includes 1/4", 3/8" and 1/2" drive tools with both SAE & Metric components, to tackle a wide range of projects. Upgraded set includes a heavy-duty blow molded case with steel hinges and latches to keep your tools organized and secure. Get incredible access from long wrenches with narrow heads, adjustable wrenches and pliers, and a long-beam ratchets with small teardrop heads. Hex key caddy makes accessing the size you need quick and easy. Upgraded set includes Torx bit sockets and Tamper-Proof Torx driver bits. Acetate screwdrivers and a magnetic bit driver with improved impact, UV, and solvent resistance. Meets or exceeds ANSI and ASME specifications. Kit Contents: 59 Sockets, 4 Extensions, 3 Ratchets, Adapter, Bit Driver & Bits, 13 Nut Setters, 16 Hex Keys, 12 Combination Wrenches 2 Screwdrivers, Pliers, Adjustable Wrench. **See amleo.com for a complete list of contents.**

CTK148MP $199.95

Tools Included:	Qty
1/4" Drive	
Teardrop Head Ratchet	1
3" Extension Bar	1
6 Point Standard Length Sockets	22
Bit Adapter	1
3/8" Drive	
Teardrop Head Ratchet	1
3" Extension Bar	1
6" Extension Bar	1
6 Point Deep Sockets	9
12 Point Standard Length Sockets	16
Spark Plug Sockets	2

Tools Included:	Qty
1/2" Drive	
Teardrop Head Ratchet	1
5" Extension Bar	1
12 Point Standard Length Sockets	7
Additional Tools	
1/4" (Male) to 3/8" (Female) Adapter	1
Torx Bit Sockets	3
Combination Wrenches	12
Acetate Phillips #2 x 4" Screwdriver	1
Acetate Slotted 1/4" x 4" Screwdriver	1
Acetate Magnetic Bit Driver	1
7-1/2" Long Nose Pliers	1
6" Crescent Brand Adjustable Wrench	1
Driver Bits	45
Hex Keys - SAE	9
Hex Keys - Metric	9

NEW

BRAVA SAFETY GLASSES

- Hard coated polycarbonate single lens glasses
- Integrated polycarbonate nose piece
- Soft, flat spatula style arms
- Frameless design
- Stainless steel hinge screws
- 9.5 base curve
- Meets required ANSI Z87.1
- High Impact
- Qty: 12 per carton

17940 $15.89 13+ $15.60
26+ $15.41

EST. 1885
A.M. LEONARD
HORTICULTURAL TOOL & SUPPLY CO.
AMLEO.COM | 800-543-8955

TURN'N WRENCHES IN THE FIELD? TAKE A KNEE, WITHOUT PAIN!

LEONARD KNEELING PAD

A comfortable kneeling surface for all gardening and household chores. Waterproof and lightweight to make it easy to move as you work. A generous 16" x 7". Vinyl-coated. Ship wt .5 lb.

GNP $17.89 3+ $17.32 6+ $16.96

NEW

KINCOPRO™ HANDLER™ SYNTHETIC WITH PULL-STRAP

KincoPro™ Handler™ pull on glove is made from a form-fitting, stretchable polyester-spandex providing a snug, comfortable, custom fit. The MiraX2™ suede palm offers long-lasing protection coated with textured slipNOT® silicone giving extreme grip control even in damp conditions. Flexible, ribbed neoprene knuckles with padding provides the wearer impact protection. Form-fitting fourchette finger design offers a snug fit while allowing for the natural finger movement. The angled wing thumb design provides added flexibility and comfort. Quick drying terry cloth on the thumb for convenient sweat absorption. Available sizes MD-XL. Ship wt .5 lb.

2021-size
$24.15 6+ $23.66 12+ $23.36

TOP-OF-THE-LINE WORKHORSE GRINDERS

Adjustable to accommodate the originally manufactured angle of the blade you sharpen.

R.B.G PRO MODEL GRINDER

Longer frame is capable of sharpening blades with a cutting edge up to 9-1/2" and can handle the longer bevels being used on newer style blades. Also sharpens extra long mulching blades. Features include: 1/2 hp Bell-Front Industrial Duty Motor, reversing switch, quick guard removal, premium 1" x 8" ceramic wheel mounted directly to shaft. Ship wt 67 lb. MOTOR FREIGHT DELIVERY.

BG218	**$699.90**

R.B.G STANDARD GRINDER

The most affordable R.B.G. Grinder which still allows you to sharpen both left and right hand blades to O.E.M. specs for angle simply by turning the top handle! Adjusts so you can use grinding wheel down to the very last. Features include: reversing switch, totally enclosed motor, quick guard removal, and 1" x 8" ruby wheel. Handles blades with a cutting edge up to 6-1/2". Ship wt 56 lb.

BG121	**$675.95**	**3+ $663.57**	**6+ $655.83**

REPLACEMENT CERAMIC WHEEL

High performance at low or high speed grinding. Handles difficult-to-grind and precision applications. 1" x 8" for BG218 .Ship wt 4 lb.

RW22	**$90.63**

REPLACEMENT RUBY WHEEL

Best ruby on the market! Ruby-Aluminum Oxide grinding wheels designed to sharpen quickly while reducing burn because of their open design. Ship wt 4 lb. 1" x 8" for BG121

RW12	**$80.74**

TOTAL PREMIUM GRINDING WHEELS

Designed to fit the TL136 Ship wt .5 lb

1/8" thick, for 3/8" & .404 chain	
TL66	**$19.96**
145 x 22 x 4.7 (3/16"), Full 3/8", .404"	
TL64	**$29.47**

DELUXE PROFESSIONAL CHAIN GRINDER -

High performance features for expert sharpening! Adjusts to handle chipper, semi-chisel or full-chisel chains from 1/4" to 1/2" pitch. Long-lasting 5-3/4" wheels are powered by a 1/4 hp motor. Work light, offset 10 degree tilting vise; cutter length adjuster; easy-read vise and head angle scales; unique chain-centering feature to ensure that both left and right cutters are ground properly. Includes: 1/8", 3/16" and 1/4" wheels; dressing brick; wheel gauge and wrench. 120V; UL approved. Ship wt 18 lb.

TL136	**$474.12**

BOSCH 14" BENCHTOP ABRASIVE CUTOFF MACHINE

A must for any job site or workshop, the Bosch 14" Benchtop Abrasive Cutoff Machine is designed for heavy-duty use. It's superior, motor insulation offers extra motor over-load protection during all day use and tough applications. The powerful 15 Amp motor delivers 3,100 RPM and features cut and hardened steel helical gears for long-lasting durability. Smooth power transmission and extended tool life is supplied by a ball and roller bearing construction. Bosch's 14" Cutoff Machine cuts material up to 6" thick. A locking vise with quick release holds awkward material for fast cutting. The adjustable fence that bevels from 0-45°, combined with an adjustable depth stop for maximum control. The handle features a lock on trigger for extended use applications. This large handle can also be used with the hold down chain, securing the tool for easy transport. This cutoff machine has a 1" arbor, and a spindle lock offers quick and easy blade changes. Includes a 14", 36-grit aluminum oxide wheel, and handy blade wrench. Double insulated, UL listed, complies to OSHA. Ship wt 46 lb.

3814	Cutoff Machine	**$264.55**		
HS14	14" Cutoff Wheel	**$8.79**	**3+ $8.58**	**6+ $8.45**

BOSCH 18V D-HANDLE RECIPROCATING SAW KIT

A complete kit for cordless, compact power! The Bosch 18-Volt D-Handle Reciprocating Saw measures 17-3/4" long and weighs only 6-1/2 lb. This saw delivers an efficient 1-1/8" stroke. A variable speed trigger eases the blade into the material to reduce kickback. Two speed ranges match the cut of the material. Bosch's Lockjaw™ system allows for fast, one-handed blade changes. Kit includes: Saw, CORE18V Lithium-Ion 4.0 Ah Compact Battery, 18V Fast Battery Charger, (2) Bi-Metal Reciprocating Saw Blades, and a carrying bag. Ship wt 12 lb.

Item	Description	Shp wt	Price
CRS180-B15	Saw Kit	11.8 lb	**$259.82**
CRS180B	Saw Only	7.5 lb	**$129.65**
GXS18V	Battery & Charger Only	3.2 lb	**$144.87**
RDN6V	Multi-Purpose Blades 5-pk	1 lb.	**$17.18**
RESM6X2	Metal Cut Blades 5pk	1 lb.	**$20.21**

IDEAL FOR SHARPENING MOWER BLADES, SPADES, SHOVELS, AND MORE!

4-1/2" BLAC-KUT® ZIRCONIA HIGH DENSITY FLAP DISC

Blac-Kut Zirconia high density flap discs are manufactured with larger flaps to provide effective material removal with an extended product life. The large overlapping layers of coated abrasives expose new cutting surfaces as they wear down. Ideal for sharpening mower blades, spades, shovels etc. Available in Type 27 (flat faced) and Type 29 (angle faced). The type controls the amount of leverage applied to surfaces. Type 27 flat flap discs are better for finesse and extended use, ideal for flat grinding and blending. Type 29 angled discs are much more aggressive, ideal for beveling and removal. Available in common grits: 40, 60, and 80. 4-1/2" Diameter flap disc with standard 7/8" arbor. Ship wt .4 lb.

Item	Grit	Type	Price	3+	6+
58848	40 ZA	29	**$4.42**	**$4.36**	**$4.32**
59820	40 ZA	27	**$4.42**	**$4.36**	**$4.32**
58849	60 ZA	29	**$4.42**	**$4.36**	**$4.32**
55888	60 ZA	27	**$5.73**	**$5.56**	**$5.46**
58850	80 ZA	29	**$4.42**	**$4.36**	**$4.32**
59815	80 ZA	27	**$4.42**	**$4.36**	**$4.32**

BOSCH 10 AMP CORDED 4-1/2" ANGLE GRINDER

A powerful 10 amp, 11,500 RPM motor delivers more power than previous-generations. It has directed air flow that diverts dust away from vital components, and it has direct-motor cooling, giving it higher overload capabilities. For operator comfort and control, it sports a two-position Vibration Control side handle. It was designed for all-day jobs in machinery manufacturing, metal fabrication and construction. It has a burst-protection tool-less adjustable guard and a large spindle lock for more convenient disc change. 1 Year Manufacturer Warranty. Voltage: 120V, Spindle thread: 5/8 - 11 UNC. Includes: Backing Flange, Lock Nut, Spanner Wrench, Grinding Guard, Vibration Control Side Handle. Ship wt 7.3 lb.

GWS10-45P **$109.96**

NORTON CLIPPER 14" METAL/STAINLESS CUT-OFF WHEEL

Cutting steel? Then look no further! The Norton Clipper 14" Cut-Off Wheel features a triple-reinforced aluminum-oxide grain. Norton equipped this wheel with their patented Knockout Arbor. This arbor consists of a 20 mm diameter bushing which they pre-mount into a 1" arbor hole. This wheel measures 14" in diameter by 1/8" in thickness. Ship wt 1.5 lb.

HS14 **$8.79** **3+ $8.58** **6+ $8.45**

NORTON CLIPPER 4-1/2" GRINDING AND CUTTING COMBO WHEEL

Norton's Grinding and Cutting Combo Wheel features a 7/8" arbor. This Type 27 depressed center wheel measures 4-1/2" in diameter by 1/8" thick. It fits nearly any 4" angle grinder. Ideal for cutting and grinding mild steel. Lasts 3 times longer than similar products. Ship wt .25 lb.

DC4518 **$6.14** **3+ $5.95** **6+ $5.83**

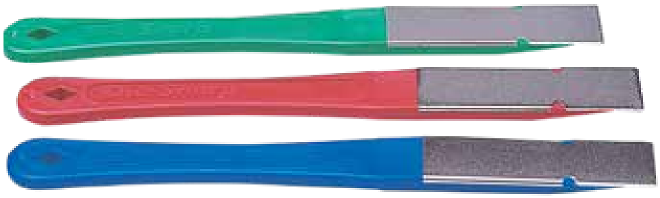
HAND SHARPENERS FOR A FINER TOUCH

EST. 1885
A.M. LEONARD

LEONARD KNIFE/TOOL SHARPENER

Sharpens knives, cleavers, axes, machetes, hoes, and many more tools that require a sharp edge. Comfortable handle fits either hand safely and securely. The full length finger guard protects your fingers during sharpening process. Blades are diamond-honed tungsten carbide, reliable for many years of use. Bright AM Leonard orange makes this item easy to find in the tool box, gear bag or work truck. Ship wt .5 lb.

014C		**$15.69**	**3+ $15.19**	**6+ $14.87**
003	Replacement Blades	**$6.26**		



DMT MINI HONE SHARPENER KIT

Three pieces for all your sharpening needs, from keeping blades sharp, to reviving severely dull edges! DMT introduces the new Dia-Sharp Mini-Hone featuring a super abrasive continuous surface made exclusively with monocrystalline diamond. Sharpens faster than traditional sharpeners. The kit includes three color coded grits in Green 9 - extra fine, Red 25 - fine and Blue 45 - coarse. Thin easy-access tip for use in tight corners and tough access areas, ergonomically designed ?hourglass' shaped handle for superior comfort and control, and a lightweight convenient size with hang hole for pocket, tool hook, or tool boxes. Three great sharpeners, one price.

D2K **$26.88** **3+ $26.38** **6+ $26.07**

QUICK SHARPENER

As compact as a pen, easily fits in your pocket, tool box or tool belt. It can literally sharpen a dull pruner in 6 strokes. Easily maintain the same factory bevel or angle of the cutting edge on pruning and cutting tools. 5" super carbide file made for sharpening all types of blades. Use it to sharpen loppers, hedge shears, pruners, lawn mower blades and so much more! Go online to see a full list of products you can sharpen with this small, convenient sharpener. Ship wt .5 lb.

AC83 **$12.29** **3+ $11.97** **6+ $11.78**

MILL BASTARD STEEL FILE

One of the most versatile tools to have in the truck. Use for rough sharpening of hoes, shovels, edgers, mower blades and more! Three lengths to choose from. Ship wt .5 lb.

Item	Length	Price	3+	6+
MB8	8"	**$7.77**	**$7.68**	**$7.62**
MB10	10"	**$10.06**	**$9.94**	**$9.87**
MB12	12"	**$15.02**	**$14.81**	**$14.68**

SWISS SHARPENER

SWISS SHARPENER

For shears, knives, scissors and more! This ultimate sharpener has a concave composite steel blade. Two precision sharpening edges are bonded into an aluminum handle. No pressure required, gentle on the blade, easy to use. 3-3/4" long, weighs 1 oz.

10SS **$26.64**

CHAIN-SHARP DUAL SHARPENING TOOL

Sharpening chains has always been a two step process- until now! Pferd's great tool sharpens both the round part of the tooth and the flat depth gauge area in one easy step precise simultaneous sharpening by hand, to ensure the difference in height between depth gauge and cutting tooth is in proportion (0.8 mm or .031"). Complete with 8" round chain saw file and depth gauge file. The correct dimension depends on the size of the saw chain and the amount of wear on the teeth. Follow the instructions of the chain manufacturer.

Item	File Size	Use For	Price	3+	6+
17049	8" x 7/32"	3/8" Chains	**$27.39**	**$26.87**	**$26.54**
17050	8" x 5/32"	3/8" Low Profile Chains	**$19.83**	**$19.43**	**$19.17**
17062	8" x 3/16"	.325" Chains	**$31.67**	**$30.92**	**$30.45**

CARBORUNDUM SHARPENING STONE

The ideal tool for sharpening spades, hoes, axes, etc. 14" long. Ship wt .1 lb.

57S **$29.62** **3+ $29.07** **6+ $28.73**

NORTON SICKLE & SCYTHE SHARPENING STONE

The Norton Sickle & Scythe Stone features a coarse aluminum oxide abrasive coating. This sharpening stone is ovular in shape. It measures 10" in length, 1-5/16" in wide, and 3/4" thick. Ideal for curved blades. This makes it the perfect choice for sharpening pruners, loppers, sickles, scythes, brush hooks, and more. It works with numerous materials including stainless steel (300 series), aluminum, brass, bronze, copper, gray iron, and titanium. The oval-shape fits nicely in your hand for maximum comfort during use.

192S **$9.87** **3+ $9.71** **6+ $9.60**

THE NORTON POCKET STONE

Features a medium-coarse grit aluminum oxide abrasive. It measures 3" in length, 7/8" in width, and 3/8" thick. Each stone includes a plastic carrying case. Norton designed this stone for sharpening all types of knives and pruners. It works well with many materials, including 300 series stainless steel, aluminum, brass, bronze, copper, gray, iron, and titanium. The aluminum oxide abrasive helps repair damaged edges. When used with a lubricant, this stone further enhances the edge while minimizing the clogging to its surface.

149S **$9.40** **3+ $9.18** **6+ $9.04**

TOUGH WORK REQUIRES SERIOUS CLEANUP

PRECISION-FIBER® CLOTH (PFC®) CLEANING RAGS

Precision-Fiber® Cloth (PFC®) Cleaning Rags are constructed of natural fibers and super strong polymers to be soft and strong like t-shirt knit. Each piece is the same generous size, 13.6" x 15". These cloths are lint free, super absorbent, solvent resistent and easily rinse out for reuse. A shop essential, also great for painting, staining, dirty jobs, cleaning and polishing. Available in 30 or 50 count bags. **Made in USA!**

PFC30 30 count, Ship wt .7 lb
$6.84 **3+ $6.68** **6+ $6.58**

PFC50 50 count, Ship wt 1.4 lb
$9.53 **3+ $9.40** **6+ $9.31**

TUB O SCRUB HAND CLEANER

Tub O' Scrub is a powerful, waterless hand cleaner. It combines a walnut shell formula with aloe, lanoline, vitamin E, and other emollients. Tub O' Scrub contains no harsh chemicals, solvents, or petroleum-based ingredients. Along with dirt and grime, Tub O' Scrub removes grease, oil, tar, ink, adhesives, epoxies, and paint. This cleaner is perfect for landscapers, contractors, gardeners, mechanics, painters, and do-it-yourselfers. Its unique formula moisturizes your skin while it cleans. Its pleasant citrus scent leaves your hands smelling as clean as they look. Unlike similar cleaners, Tub O' Scrub is entirely biodegradable. It is also free from pumice, so it will not clog your drains or septic system. **Made in the USA!**

TOS18	18 oz Tube	**$8.20**	**3+ $8.10**	**6+ $8.04**
TOS64	64 oz Pump Dispenser	**$19.32**	**3+ $18.89**	**6+ $18.62**

TUB O' TOWELS HEAVY DUTY CLEANING WIPES

With the broadest range of heavy duty cleaning wipe power and a soft touch on human hands. Tub O'Towels industrial-strength wipes are specially formulated to be tough on grease, tar, ink, paint, dirt, grime and many other messes. Designed to clean thousands of surfaces including auto interior and exterior, leather, vinyl, metal, walls, floors, outdoor furniture and much more. With a pleasant citrus fragrance, added aloe, Vitamin E and lanolin to protect your hands.

By combining advanced cleaning agents and fiber technology, these towels contain no harsh chemicals and are extremely durable. The convenient 40 count tub contains 7" x 8" towels, while the economical 90 count tub contains larger 10" x 12" towels. Towels are dispensed from a heavy-duty, center fed Vaporlock Canister that features a locking lid to minimize solution evaporation. The perforated roll of towels allow each towel easy to separate. **Made in the USA!**

TW40	40 count	**$9.13**	**3+ $8.92**	**6+ $8.79**
TW90	90 count	**$19.59**	**3+ $19.21**	**6+ $18.98**

LAST 3X LONGER THAN REGULAR PAPER TOWELS!

INTEX CLOTH-LIKE SHOP RAGS

Intex Heavy-Duty Cloth-Like Shop Rags are now available in a traditional box. This box holds 300, 11" x 10" shop rags. Dispensed from a center feed roll Intex Shop Rags are free of latex or binders, yet super strong and lasts 3-times longer than paper towels. Heavy-duty, lint free, and solvent resistent. Rinsable and reusable. **Box of 300.** Ship wt 2.4 lb. **Made in the USA!**

NWB300 **$14.88** **3+ $14.56** **6+ $14.36**

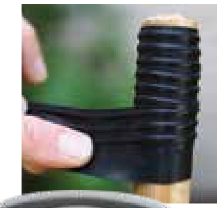
INTEX CLOTH-LIKE SHOP RAGS

3 times stronger than traditional paper towels! Are regular shop rags just not cutting it? Is that box of towels taking up valuable space? Choose Intex and eliminate both problems! Intex packages these white shop rags in a compact tote. This resealable, waterproof tote takes up less space than a bulky box of rags. Each Intex Shop Rag measures 10" by 11". The compressed towels dispense one at a time via a center-feed roll. Intex Shop Rags resist solvents. You can reuse them as they are 3 times stronger than traditional paper towels. **Made in the USA!**

Item	Count	Ship wt	Price	3+	6+
NW100	100	1 lb	**$5.43**	**$5.30**	**$5.23**
NW250	250	2 lb	**$13.58**	**$13.26**	**$13.07**
NW500	500	4 lb	**$22.51**	**$22.20**	**$22.01**

INSULATES UP TO 8000 VOLTS OF ELECTRICITY!

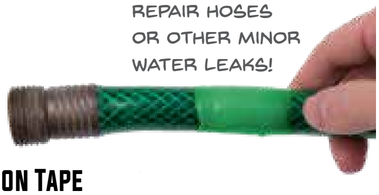
LEONARD SELF-FUSING SILICON GRIP WRAP



Great hand protection for D-Grip tools! Use Leonard Self-Fusing Silicon Grip Wrap to add a grip to any handle! This industrial strength grip wrap insulates up to 8000V of electricity. Silicon is naturally resistant to harsh conditions, it can withstand extreme temperature fluctuations and is resistant to UV, oil, salt, and chemicals. This grip wrap uses no adhesives, allowing you to add grip to any handle without having to worry about a sticky residue upon removal. Our Leonard Grip Wrap has a 3 ridge profile, and is perfect for use on almost any tool. Use our Grip Wrap to add protection to your D-grip spade! When wrapped upon itself several times, we found that our Grip Wrap dampens impact. And will protect your hand while using your spade in rocky, rooted soils! Our Grip Wrap is 1-1/8" wide and comes in a 10' roll. Allowing you to add grip to several of your favorite tools! Ship wt .1 lb. **Made in the USA!**

ATT22	Black	**$19.75**	**3+ $19.33**	**6+ $19.07**
ATT23	Clear	**$19.75**	**3+ $19.34**	**6+ $19.09**
ATT24	Orange	**$19.75**		

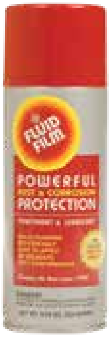
ADD GRIP TO HANDLES!



LEONARD SELF-FUSING SILICON TAPE

Due to the lack of adhesives, Leonard Self-Fusing Tape and Grip Wraps do not bond to a substrate, but to itself creating an airtight and waterproof seal. They can be easily removed with a blade, leaving no residue. This unique, self fusing silicon resists UV, oil, salt, and chemicals. Both tapes exceed UL 510 spec for electrical insulation. It can be subject to extreme temperature fluctuations, withstands -65°F to 500°F. It stretches 300+% and forms around irregular shapes and fittings. Uses cross-link technology to self fuse, bonding into a solid layer within seconds. Ship wt .1 lb. **Made in the USA.**

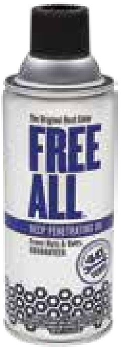
Item	Size	Color	Price	3+	6+
A24121	1" x 10'	Orange	**$8.97**	**$8.68**	**$8.50**
A24122	1" x 10'	Black	**$8.97**	**$8.68**	**$8.50**
A24123	1" x 10'	Clear	**$8.97**	**$8.68**	**$8.50**
A24124	1" x 10'	Red	**$8.97**	**$8.68**	**$8.50**
A24125	1" x 10'	Blue	**$8.97**	**$8.68**	**$8.50**
A24126	1" x 10'	White	**$8.97**	**$8.68**	**$8.50**
A24127	1" x 10'	Gray	**$8.97**	**$8.68**	**$8.50**
A24128	1" x 10'	Green	**$8.97**	**$8.68**	**$8.50**
A24129	1" x 10'	Yellow	**$8.97**	**$8.68**	**$8.50**



FLUID FILM; LUBRICANT, CLEANER, AND RUST INHIBITOR SPRAY -

Keep all your tools and equipment in tip-top shape with this rust and corrosion preventative, penetrant, and lubricant. Lanolin-based, it works where others can't. Embeds in the pores of the metal to remain active, lubricating and stopping the corrosive effects of salts, fertilizers, pesticides, and high humidity. Will not harm paint, plastic, or rubber, or cause burn to greenery. Solvent-free, non-conductive, non-drying, and does not freeze. 12 oz spray can.

FFA12 $11.88

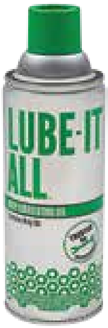


FREE ALL® DEEP PENETRATING OIL

No more torching, drilling, hammering, or chiseling!

Free All® is a deep penetrating oil used for releasing corroded threaded connections of ferrous metal. It is superior to widely advertised products in its ability to loosen nuts, bolts, and pipe connections by penetrating and loosening rust and corrosion. Specially formulated, this rust eating agent is ideal for plumbing, automotive, marine and general industrial applications. Loosens red and white lead, tar, grease, carbon and graphite deposits. Silicone free, making it safe in paint and shop environments. Sold in 11 oz Aerosol cans. Ship wt 1 lb. **Made in the USA!**

RE12 $11.91 3+ $11.62 6+ $11.44



LUBE-IT ALL® DEEP LUBRICATING OIL

Lube-It All® is a high viscosity oil that clings to moving parts. The unique foaming action of this lubricant penetrates close tolerances to provide long-lasting lubrication. Lube-It All® displaces 1,200 times its volume in water on surfaces and repels moisture to prevent corrosion. Designed to reduce friction wear on moving parts and in metal-to-metal applications. Ideal for use on rotating parts and gears, Lube-It All® is also safe for use on electrical, metal and plastic surfaces. This silicone-free formula does not attract dust. Temperature range: -30°F to 350°F (-34°C to 177°C). Sold in 11 oz aerosol cans. Ship wt 1 lb. **Made in the USA!**

LA12 $11.72 3+ $11.45 6+ $11.27

BRAKE AND METAL PARTS CLEANER

Non-chlorinated brake and metal part cleaner is effective in removing brake fluid, oils and grease on all brake systems. It comes equipped with the ACCU-FORCE™ trigger designed to deliver in a high-output spray pattern to get the job done fast and efficient. Use on ABS, disc, drum brake cylinders, brake drums, brake linings, brake shoes, calipers, clutch discs, disc brake pads and more. 16.5 oz can. Ship wt 1.3 lb.

SP707 $6.10 3+ $5.98 6+ $5.90

THRED GARD® ANTI-SEIZE & LUBRICATING COMPOUND -

Thred Gard® General Purpose is non-metallic, lead free, heavy duty anti-seize and lubricating compound. Thred Gard® not only speeds up assembly, it also facilitates dissassembly. It contains a blend of extreme-pressure additives, water-resistant properties and rust and corrosion inhibitors in a high-performance carrier to provide protection to 1,000°F (537°C). Sold in 1/4 lb can with brush cap. Brush on nuts, bolts, screws, bushings, cam rollers, shafts, sleeves, couplings, conveyers, motors, pumps, turbines, valves, and more! This product exceeds MIL Spec MIL-A-907D. Ship wt .4 lb. **Made in the USA!**

TG04 $9.15 3+ $8.97 6+ $8.86

HEAVY DUTY TRASH CANS AND LINERS

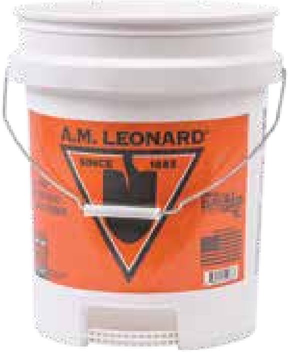
HUSKEE® COMMERCIAL GRADE CONTAINERS

10 Gallon
20 Gallon
32 Gallon
44 Gallon

Huskee® Commercial Grade Containers set the industry standard. Molded with seamless construction, Huskee® Containers are a strong, long-lasting receptacle that can be used anywhere. Simply use Huskee® Containers as a trash can, or use to transfer and store materials such as mulch, straws, compost, and so much more! Always thinking on their feet, landscapers often utilize 20 gallon and 32 gallon containers to transfer mulch into hard to reach landscape beds. These high impact containers are crush resistant and cold impact resistant. Equipped with reinforced, base, rim and handles. These containers are safe for use in food prep to foundries, and tough enough to withstand daily use on the jobsite. From refuse to bio-hazard waste, Huskee® keeps on working. Lids are sold separately. 1 Year warranty. Visit amleo.com to see item dimensions and other specs. **Made in the USA!**

Item	Description	Ship wt	Price	5+	10+
1001H	10 Gallon Can	3 lb	**$28.90**	**$28.17**	**$27.71**
1001L	10 Gallon Lid	1 lb	**$14.70**	**$14.30**	**$14.04**
2000H	20 Gallon Can	6.45 lb	**$39.89**	**$38.89**	**$38.26**
2001L	20 Gallon Lid	1.7 lb	**$17.31**	**$16.86**	**$16.57**
3200H	32 Gallon Can	9.6 lb	**$55.83**	**$54.32**	**$53.38**
3201L	32 Gallon Lid	2.3 lb	**$19.66**	**$19.27**	**$19.02**
4400H	44 Gallon Can	12.6 lb	**$79.73**	**$77.67**	**$76.38**
4401L	44 Gallon Lid	2.82 lb	**$27.62**	**$26.97**	**$26.57**

LEONARD SUREGRIP 5 GALLON PAIL



Leonard's SureGrip 5 Gallon Pail has a SureGrip handle built into the bottom of the pail! This game-changing convenience feature greatly improves handling, efficiency, and safety. The innovative built in handle come with no trade-off's and will stack like a traditional bucket. The one-piece molded design is constructed from 90mil HDPE. This commercial grade bucket is UN/DOT Class 2 Certified. Ship wt 2.3 lb. **Made in the USA!**

AM5GP **$11.96** **3+ $11.63** **6+ $11.42**

MORE SHOP/MAINTENANCE SUPPLIES AVAILABLE!
SHOP NOW

HEAVY DUTY 2MIL LLDPE TRASH CAN LINERS

2mil thick LLDPE black trash can liners offer great stretch and tear resistance. With 4 common sizes to choose from, these heavy duty can liners come in cost effective rolls of 100 bags. Each bag is perforated and is easily separated from the 18" wide coreless roll. These trash can liners feature a high performance star seal. This style is most popular and eliminates gaps between the trash can and the liner. This star seal liner will distribute weight evenly to maximize carrying capacity. Each size will hold up to 95 lb! **100 bags per box!** **Made in the USA!**

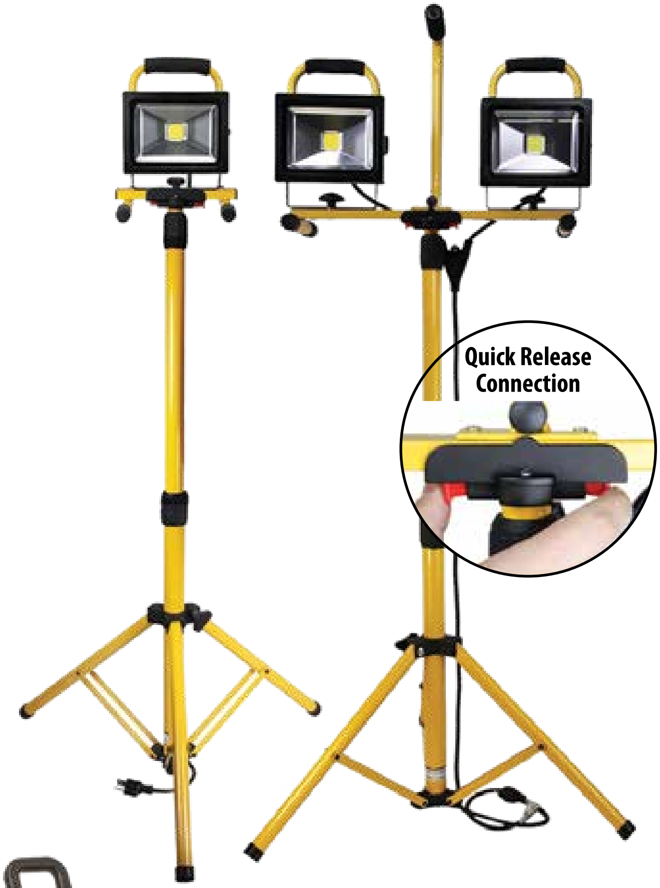
Item	Gallons	Size	Ship wt	Price	3+	6+
RGB33	33	33″ x 39″	17 lb	**$39.89**	**$39.00**	**$38.44**
RGB45	45	40″ x 46″	25 lb	**$56.61**	**$55.37**	**$54.59**
RGB55	55	38″ x 58″	29 lb	**$73.24**	**$71.31**	**$70.11**
RGB56	56	43″ x 47″	27 lb	**$60.90**	**$59.63**	**$58.84**

3MIL, 42 GALLON TUFF CONTRACTOR BAGS

Ideal for Landscapers and Contractors who need more than a regular can liner. These 3mil thick, 42 gallon trash can liners will hold the toughest trash. Made of high quality virgin materials and recycled resin, this blend offers superior strength and stretch for heavy and sharp objects. Standard 33" by 48" can liner fits a wide range of trash cans. Available in convenient 20-bag or 32-bag cases for easy storage. 3mil contractor bags have a flat seal, twist ties included. **Made in the USA!**

TUFF20	20 bag	Ship wt 6 lb	**$19.89**	**3+ $19.43**	**6+ $19.15**
TUFF32	32 bag	Ship wt 10 lb	**$29.22**	**3+ $28.50**	**6+ $28.04**

LIGHT UP YOUR WORK ZONE!



BULL DOG TRIPOD LED WORKLIGHTS WITH QUICK RELEASE

Light up your jobsite and workshop with reliable Bull Dog LED Tripod Worklights. Equipped with your choice of one or two super bright 1800 Lumen LED worklights. By combining two powerful LED worklights, the double head LED worklight puts out 3600 Lumen. Equipped with an 8′ 18/3 AWG SJTW cord, it runs on 110V AC. Each light is 20 Watts. The heavy-duty telescopic tripod adjusts from 3′ to 5′ and features a Quick Release Connection. Quickly and easily detach the worklight from the tripod with the red Quick Release buttons. With a weatherproof on/off switch and a IP44 rating these lights are suitable for wet conditions. Color Temperature is 4000-5000K.1 year limited warranty.

Tripod with one light, Ship wt 10.2 lb
11065 $109.44 3+ $107.21 6+ $105.82

Tripod with two lights, Ship wt 13.4 lb
11066 $189.57 3+ $186.69 6+ $184.90

LED HEADLIGH

BULL DOG 70 LUMEN LED HEAD LAMP

Bull Dog Power 70 Lumen LED Head Lamp offers a wide angle beam for maximum light. With a 180° wide beam and a 33' light beam distance, this headlamp offers High, Low, and Strobe settings. Features a heavy-duty weatherproof and shockproof housing that is IPX2 outdoor rated. Equipped with an adjustable elastic strap this headlamp tilts to focus light. Uses three AAA batteries, included. 1 year limited warranty. Ship wt .2 lb.

11264 $11.57 3+ $11.26 6+ $11.06

BULL DOG 220 LUMEN 4-IN-1 LED WORKLIGHT

High efficiency, hands free 4-in-1 worklight is essential for lighting in tight spaces. This 220 Lumen LED worklight features a 360° swivel S-hook, and a powerful magnetic base that pivots for versicle mounting and accurate positioning. Offers High 220 Lumen, and Low 60 Lumen modes and is also equipped with a directional flash light. High mode offers a light beam distance of 65', Low is 26'. Heavy-duty ABS rubberized body is built to last. With an IP44 rating this light is suitable for wet conditions. Color Temperature is 4000-5000K. It has a run time of 7-10 hours and uses three AA batteries, included. 1 year limited warranty. Ship wt .5 lb.

**11177 $17.80 3+ $17.39
6+ $17.13**

BULL DOG 250 LUMEN MAGNETIC BASE 360° MINI LED WORKLIGHT

This Bull Dog Power, Miniature LED worklight is equipped with a heavy-duty magnetic base that rotates 360° for versatile and accurate lighting. Bright, 250 Lumen LED has a ligh beam distance of 65'. It has a IPX2 outdoor rating. With a 7 hour run time this light uses three AA batteries, included. 1 year limited warranty. Ship wt .4 lb.

**11257 $17.78 3+ $17.49
6+ $17.31**

LED HEADLIGH
LED

BULL DOG 160/70 LUMEN LED HEAD LAMP

Bull Dog Power LED Head Lamp features a high impact housing and an outdoor IPX2 rating. This heavy-duty head lamp offers three settings: Focus, Wide, and Strobe. The Focus Beam is a 70 Lumen setting with a 130' light beam distance. The Wide Beam is a 160 Lumen setting with a 50' light beam distance. This headlamp tilts to focus light and is equipped with an adjustable, double elastic strap. It has a run time of 7-9 hours. Uses three AAA batteries, included. 1 year limited warranty. Ship wt .2 lb.

11265 $18.47 3+ $17.99 6+ $17.69

COLLAPSIBLE LADDERS, AND SAW HORSES

TELESTEPS 12" ALUMINUM FOLDING STEP STOOL

Telesteps Aluminum Folding Step Stool opens and closes easily for lightweight, compact storage. With an height of 11-3/4" the Telesteps Step Stool provides additional height for those hard to reach tasks. Made of Aircraft Grade Aluminum and weighing only 2.1 lb. It is Type 1A Rated to hold 300 lb! ANSI 14.2 tested, OSHA Compliant This stool is essential for Professionals, Contractors, and DIY'ers alike. Top of stool measures 6-3/4" wide by 15" long. 1 year warranty against manufacturing defects. Ship wt 2.1 lb.

100SS **$29.56**

10-1/2' TELESCOPIC EXTENSION LADDER

Telesteps 10-1/2' Telescopic Extension Ladder allows for a 14' reach height and collapses down to just 29-1/4". This standard duty version is rated Type I to hold 250 lb. Available at a great price point to help outfit your crew. Ship wt 18 lb.

1400E **$278.72**

12-1/2' TACTICAL TELESCOPING EXTENSION LADDER

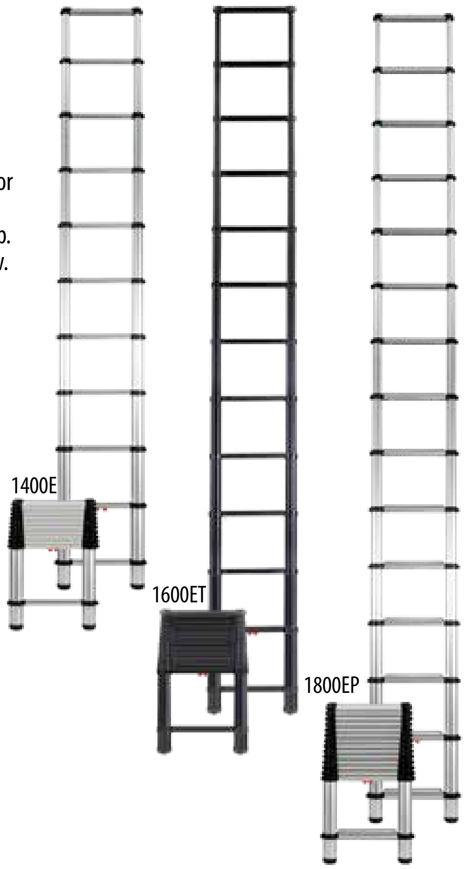
This Tactical Edition of the Telesteps Extension Ladder features a matte-black finish. This specially designed ladder is used by military and special forces. With a fully extended height of 12-1/2' allows for a 16' reach height and collapses down to just 31-3/4". This professional grade ladder is rated Type IA to hold 300 lb. Ship wt 23 lb.

1600ET **$404.22**

14-1/2' PROFESSIONAL TELESCOPING EXTENSION LADDER

Designed for maximum height. Telesteps 14' 6" extension ladder allows for an 18' reach height and collapses down to just 33-1/4". This professional grade ladder is rated Type IA to hold 300 lb. Ship wt 30.5 lb.

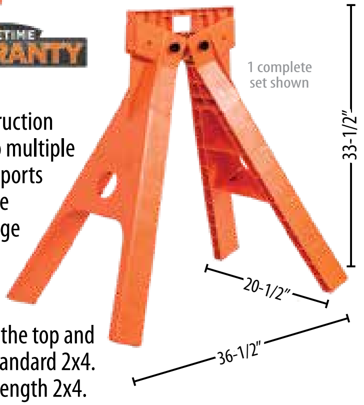
1800EP **$463.42**



TELESTEPS DOUBLE SIDED FOLDING STIK LADDERS

The STIK Ladder by Telesteps is a collapsible, double sided ladder made of Aircraft Grade Aluminum. The STIK ladder measures 20" wide when open yet folds down to the size of a 4" x 4" post. Extremely easy to carry and store this ladder supports up to 250 lb. ANSI 14.2 Tested, OSHA Compliant these convenient ladders have become an essential for Professionals, Contractors, and DIY'ers alike. Double sided STIK ladders are available in 6' and 7'. 1 year warranty against manufacturing defects.

600FLD	6' high	Ship wt 15.9 lb	**$187.49**
700FLD	7' high	Ship wt 23.2 lb	**$210.80**



LIFETIME WARRANTY

LEONARD HITCH-N-HORSE

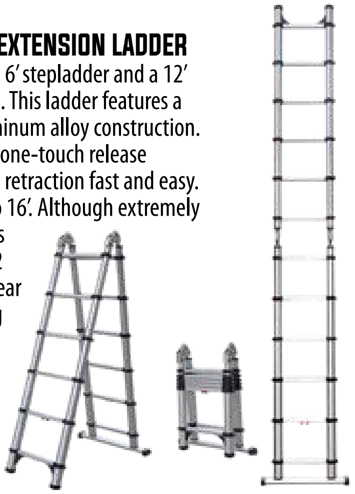
The Leonard Hitch-N-Horse is a construction grade saw horse designed to adapt to multiple project needs. Each individual set supports up to 500 lb, and 1,000 lb per pair! The unique, 3 piece design features a bridge that connects the legs of the saw horse. When using the bridge, the legs fold flat for easy storage. The bridge measures 14-5/8" wide across the top and has a cut out in the side to accept a standard 2x4. Two horses can be connected by any length 2x4. This versatile and durable work support not only doubles as a job site and road safety barricade, it features a 3" diameter cut out to help support a variety of materials like pipe and rebar for cutting. It can also be used to create a heavy-duty work stand or table. The top bridge can be removed and replaced with a 2x4 or 2x6. Simply use a 1/2" drill bit to place your pin holes at the desired length. 2 sets can be used to make a work table and utilized as a saw stand, storage area, surface to review job site prints, organize materials, assemble parts, and more! 1 set includes: 2 legs, 1 bridge, and 4 pins. **Lifetime Warranty. Made in the USA!** Ship wt. 11.6 lb.

A35072 **$74.88** **3+ $72.78** **6+ $71.47**

TELESTEPS A-FRAME AND EXTENSION LADDER

This Telesteps ladder combines a 6' stepladder and a 12' extension ladder in one package. This ladder features a high-quality aircraft-grade aluminum alloy construction. A fully automatic extension and one-touch release mechanism make extension and retraction fast and easy. Extends your vertical reach up to 16'. Although extremely lightweight, this ladder supports loads up to 250 lb. It is ANSI 14.2 tested and OSHA compliant. 1-year warranty against manufacturing defects.

612TC **$404.22**



GET WORKING EARLIER. MUCH QUIETER THAN GAS POWER.

ECHO eFORCE 56V BATTERY SYSTEM

NEW ECHO EFORCE TRIMMER BLOWER COMBO KIT

Echo 56V Trimmer blower value pack DCP-BVRVS1 includes a 16" trimmer attachment, tool-less coupler for fast and effortless changes, and Speed-Feed® 400 cutting head for professional bump-to-advance trimming. The blower features cruise control throttle locks for reduced fatigue during use and a variable speed trigger for ultimate power control. Turbo mode delivers up to 549 CFM, 158 MPH and 17 N of blowing force. Products in the Trimmer Blower Value Pack DCP-BVRVS1 are powerful, lightweight, and deliver greater productivity. 2 year warranty on all batteries.

DCPBVRVS1	**$370.36**

NEW ECHO EFORCE X SERIES DPB-2500 BLOWER

The DPB-2500 handheld blower, powered by the eFORCE™ 56V battery system, can blow 549 CFM at 158 MPH. It's ideal for use in locations that restrict gas-powered blowers. A powerful brushless motor offers gas-like performance with a turbo button to boost as needed. Variable speed throttle with cruise control offers operator convenience and power control. Dual air intakes allow left or right handed uses. 5 year consumer/2 year commercial warranty on tool. 2 year warranty on all batteries.

DPB2500C	Tool, 2.5Ah Battery, Charger	**$344.81**
DPB2500-BT	Tool Only	**$155.07**

NEW ECHO EFORCE DHC-2300

The quiet, lightweight DHC-2300 hedge trimmer, powered by the eFORCE™ 56V battery system, makes precision cuts with a lightning-fast 53 strokes per second, trimming time and effort off the workday. 22" double sided blades with 1.1" cutting capacity allow for heavy use and high productivity with a 53 blade stroke per second. 5 year consumer/2 year commercial warranty on tool. 2 year warranty on all batteries.

DHC2300C	Tool, 2.5Ah Battery, Charger	**$315.98**

NEW ECHO EFORCE DSRM-2100 STRING TRIMMER -

The DSRM-2100 straight shaft string trimmer, powered by the eFORCE 56V battery system, delivers the quiet convenience and performance needed to cut grass down to size for hours on end in residential and noise ordinance areas. The Hi/Lo speed settings optimize cutting and battery life. Lightweight with cushioned handle grip for greater comfort. The powerful brushless motor provides gas-like performance. Features a variable speed throttle and adjustable cutting swath from 14" or 16". The Speed-Feed 400 head reloads in seconds without disassembly. 5 year consumer/2 year commercial warranty on tool. 2 year warranty on all batteries.

DSRM2100	Tool, 2.5Ah Battery, Charger	**$259.53**
DSRM2100-BT	Tool Only	**$160.48**

NEW 56V RAPID CHARGER ECHO

The ECHO eFORCE™ 56V Lithium-Ion Rapid Charger is the most advanced, professional-grade, high voltage cordless charger on the market and charges batteries 2x faster than the Standard Charger. Featuring on-board diagnostics and innovative charging technology to protect and extend battery life for maximum performance and longevity.

56V4AAB	**$118.27**

NEW 56V LI-ION BATTERIES

The ECHO eFORCE™ 56V lithium-ion batteries featuring triple protection electronics, these batteries are equipped to prevent overcharging, overheating and overloading. 2 year warranty on all batteries.

56V125A	2.5Ah battery	**$177.41**
56V250A	5.0Ah battery	**$236.56**

ELECTRIC POWER, NO EMISSIONS

NEW ECHO EFORCE DCS-2500T CHAIN SAW

A battery powered professional top handle chain saw, built from the ground up with the professional arborist, forester and tree workers in mind. With cutting performance on par with the ECHO CS-2511TES, long run times and quick charge to power through any task at hand. Advanced motor control maintains high cutting performance in actual cutting range. The 0.043 gauge bar and chain provides sharp and smooth cutting. The patented Quick Draw harness ring allows hooking and unhooking the chainsaw with one simple movement. Low noise makes it suitable for use in noise sensitive areas. Light weight and low vibrations reduces fatigue on the user. Runs off 50V Lithium ion battery. 5 year warranty with domestic use and 2 year warranty with professional use on tools. 2 year warranty on all batteries.

DCS2500T	Tool, 2.5Ah Battery, Charger	**$598.06**
DCS2500T-BT	Tool Only	**$514.33**

18" BAR LENGTH FOR LARGER CUTTING APPLICATIONS

NEW

ECHO EFORCE DCS-5000 CHAINSAW

Convenient, packed with features and packed with power! Get up to 200 cuts on a single charge, the DCS-5000 harnesses the professional-grade power of the ECHO eFORCE 56V battery system for smooth, easy cuts and all day performance. The brushless motor offers superior, gas-like power and performance. Flip lever oil cap and translucent tank makes it quick and easy to check levels and refill when needed. Side access chain tensioner for easy adjustments. 18" bar length for larger cutting applications. Bare Tool only. 5 year consumer/1 year commercial warranty on tool. **NOTE: use 5.0Ah Battery only.**

DCS5000	Tool, 5.0Ah Battery, Charger	**$370.36**
DCS5000-BT	Tool Only	**$246.91**

KEEP EXPENSIVE TOOLS SAFE AND SECURE FOR TRANSPORT

NEW CHANNEL STYLE LOCKABLE TRIMER RACKS

Buyers Product's Lockable Trimmer Racks mount to any open style landscape trailer to keep your trimmers secure and trailer organized. Channel and flat pin design is adjustable to provide a tight hold on your trimmers and reduce rattle while in motion. Made from sturdy steel construction with a black powder coated finish to prevent corrosion. Mounting hardware and locks included. Available for two or three trimmer positions.

LT18	2 Position	**$154.29**
LT13	3 Position	**$213.48**

NEW SNAP-IN TRIMMER RACK FOR ENCLOSED TRAILERS

This three-position Snap-In Trimmer Rack for Enclosed Trailers mounts to any enclosed trailer and holds up to three trimmers to keep your trailer organized and trimmers secured. Rack mounts to the inside walls of trailers, sheds, and garages, ensuring your trailer bed stays clear and trimmers are within easy reach. The design holds trimmers away from the wall so there is no rubbing or banging while on the road. Constructed from sturdy steel and finished with a black powder coat. Trimmers snap easily on and off the rack. Mounting hardware is included. Ship wt 15.15 lb.

LT12 **$170.46**

NEW OPEN TRAILER MULTI-PURPOSE STORAGE BASKET

Multi-Purpose Storage Basket for Open Landscape Trailers is the perfect way to store your gas cans, oil, traffic cones, and other supplies. The basket bolts to the side rails of your trailer, leaving the trailer floor open. It includes a trimmer line holder, a backpack blower holder, and dividers so you can customize the basket to your needs. A 1 in. hole pattern on the side panels makes it easy to bolt on additional accessories if desired. Telescoping mounting bars fit trailers from 4 ft 10 in. to 6 ft 8 in. wide. The basket is durable carbon steel with a corrosion resistant black powder-coated finish. For additional storage see the 5 Position Vertical Tool Rack (LT46) sold separately.

LT45 **$617.95**

NEW TRIMMER LINE SPOOL BRACKET

The Buyers Products Trimmer Line Spool Bracket mounts to any style trailer, holding one 3 or 5 pound line spool. The low profile bracket keeps the line spool out of the way until needed, preventing any need to deal with tangled trimmer line. An "S" style extension allows one to wind the trimmer line around to easily find the end later on. Constructed from heavy duty steel and finished with a black powder coat to protect against wear and tear. Racks include all mounting equipment. Ship wt 2.76 lb.

LT40 **$35.23** **3+ $34.65** **6+ $34.29**

NEW LOCKABLE BACKPACK BLOWER RACK

The Buyers Products Lockable Backpack Blower Rack mounts to any style trailers and stores various models of backpack blowers. Helps keep the trailer bed clear and the blower secure. A spring latch hook at the top of the rack allows for quick and easy removal. Rubber straps fasten the blower to the rack and keep it steady while traveling. For additional security a lock can be added while on the job. Mounting hardware is included. Ship wt. 9.14 lb.

LT20 **$89.91** **3+ $88.76** **6+ $88.05**

NEW UNIVERSAL BACKPACK BLOWER RACK

Easily store and secure backpack blowers with the Universal Backpack Blower Rack. Designed for open or enclosed trailers with quick bolt-on installation. Included locks secure your blower when it's not in use. An adjustable height design fits all makes and models of blowers with a built-in wand holder that supports wands up to 5 in. wide. The rack is durable carbon steel with a corrosion resistant black powder-coated finish. A rubber mat comes with the rack to reduce vibrations while you're on the road.

LT24 **$295.47** **3+ $291.75** **6+ $289.42**

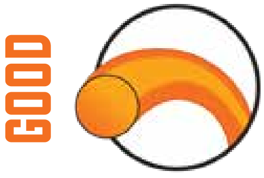
NEW 5 POSITION VERTICAL HAND TOOL RACK

Buyers Products 5 Position Vertical Hand Tool Rack makes it easy to store your tools and keep your open landscape trailer organized. The rack attaches directly to the Multi-Purpose Storage Basket (sold separately), saving you space on your trailer's rails. It accommodates five straight handle or D-handle tools. The durable steel rack features a corrosion resistant black powder-coated finish and easy, drill-free installation. Mounting hardware is included.

LT46 **$118.24**

LEONARD TRIMMER LINES

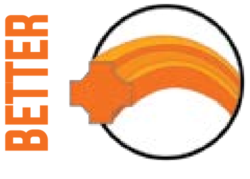
LEONARD TRADITIONAL ROUND TRIMMER LINE



Leonard Traditional trimmer line has a traditional round shape and offers a full diameter creating one of the longest wearing designs. Round lines are known for toughness, not cutting quickness, and may be your best choice for abrasive environments such as edging along walkways. Available in a 1 lb donut or 3 lb and 5 lb spools in .095" and .105" line diameters.

Item	Dia.	Spool Size	Line Color	Price	3+	6+
RD1095	.095"	1 lb	Orange	**$11.04**	**$10.80**	**$10.65**
RD3095	.095"	3 lb	Orange	**$31.55**	**$30.72**	**$30.20**
RD5095	.095"	5 lb	Orange	**$54.05**	**$52.88**	**$52.15**
RD1105	.105"	1 lb	Red	**$11.04**	**$10.80**	**$10.65**
RD3105	.105"	3 lb	Red	**$31.55**	**$30.72**	**$30.20**
RD5105	.105"	5 lb	Red	**$43.64**	–	–

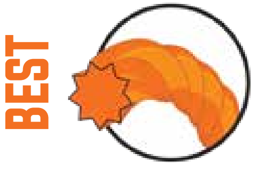
LEONARD X-TREME™ TRIMMER LINE



Leonard X-Treme™ trimmer line has a popular profile of 8 cutting edges provides a clean, even, and efficient cut compared to the traditional round trimmer lines. Available in a 1 lb donut or 3 lb and 5 lb spools in .095" and .105" line diameters.

Item	Dia.	Spool Size	Line Color	Price	3+	6+
KR1095	.095"	1 lb	Orange	**$11.62**	**$11.37**	**$11.21**
KR3095	.095"	3 lb	Orange	**$31.55**	**$30.72**	**$30.20**
KR5095	.095"	5 lb	Orange	**$58.94**	**$57.16**	**$56.04**
KR1105	.105"	1 lb	Red	**$11.04**	**$10.80**	**$10.65**
KR3105	.105"	3 lb	Red	**$28.99**	**$28.36**	**$27.97**
KR5105	.105"	5 lb	Red	**$58.45**	**$56.70**	**$55.61**

LEONARD AERO-GLIDE™ TWISTED TRIMMER LINE



Leonard Aero-Glide™ twisted line has a multiple cutting edge profile that cuts cleanly and quickly, while the twisted shape creates an aerodynamic action that reduces noise, decreases vibration, provides even cutting, and improves fuel consumption or battery life. Available in a 1 lb donut or 3 lb and 5 lb spools in .095" and .105" line diameters. 1 lb donut also available in .080" diameter which is suited for some battery trimmers.

Item	Dia.	Spool Size	Line Color	Price	3+	6+
TW1080	.080"	1 lb	Green	**$12.78**	**$12.44**	**$12.23**
TW1095	.095"	1 lb	Orange	**$12.78**	**$12.44**	**$12.23**
TW3095	.095"	3 lb	Orange	**$38.71**	**$37.47**	**$36.70**
TW5095	.095"	5 lb	Orange	**$60.79**	**$58.97**	**$57.83**
TW1105	.105"	1 lb	Red	**$12.78**	**$12.44**	**$12.23**
TW3105	.105"	3 lb	Red	**$33.35**	**$32.49**	**$31.95**
TW5105	.105"	5 lb	Red	**$56.24**	**$54.78**	**$53.87**

ECHO BRUSH CUTTER

Easy to start, easy to use, and easy to clean! Echo manufactures the 25.4 cc professional-grade two-stroke engine of their brush cutter from military-grade magnesium. A 2-stage air filtration system allows for a more thorough cleaning. This allows for longer periods between maintenance. You can access the internals of this cutter without tools, which makes in-field servicing more convenient. The bellows-style fuel transfer system makes this tool easy to start, especially for restarts in hot, dusty climates. Echo equipped this brush cutter with a large 21-fluid-ounce fuel tank for extended run time between fill-ups. The ergonomic U-handle features an integrated throttle lever. The handle folds parallel to the shaft for easy transport and storage. You can reload the dual-line speed-feed 400 cutting head in seconds without disassembling the unit. A 1.62:1 gear reduction allows for fast, efficient cutting. The Echo Brush Cutter includes an additional shield for blade use. Blade not included. *We cannot sell this product to customers in CA*

EST06 **$421.58**

ECHO SRM-3020 STRING TRIMMER

Features a high-performance 30.5CC, 2-stroke engine. This trimmer boasts a 1.62:1 gear ratio for optimal performance. Equipped with a flex cable drive, over-molded front and rear grips, and a bellows-type fuel intake. Also includes the Echo Speed-Feed® 450 Head. Perfect for any medium to heavy-duty jobs. It offers a generous 20" cutting swath. The 30.5CC engine produces 1.8 horsepower, enough to tackle nearly any task. Its bellows-type fuel intake allows for hot restarts. Thanks to the vibration-reducing flex cable drive and over-molded front and rear handgrips, the SRM-3020 is as comfortable as it is effective. 2-year commercial, 5-year consumer warranty.

SRM3020 **$502.21**

ECHO PRO SERIES CABLE DRIVE POWER SOURCE PAS266

A commercial version that features a powerful 25.4cc Vortex™ engine, vibration reduction systems, a 16.9 oz fuel capacity, and easy starting I-30 technology. **Quick change coupler works with attachments shown below.** Ship wt 14 lb.

EPS02 **$403.53**

BRUSHCUTTER ATTACHMENT

For cutting weeds and brush fast and with ease. Equipped with an 8" blade. Other optional blades are sold separately. Ship wt 6 lb.

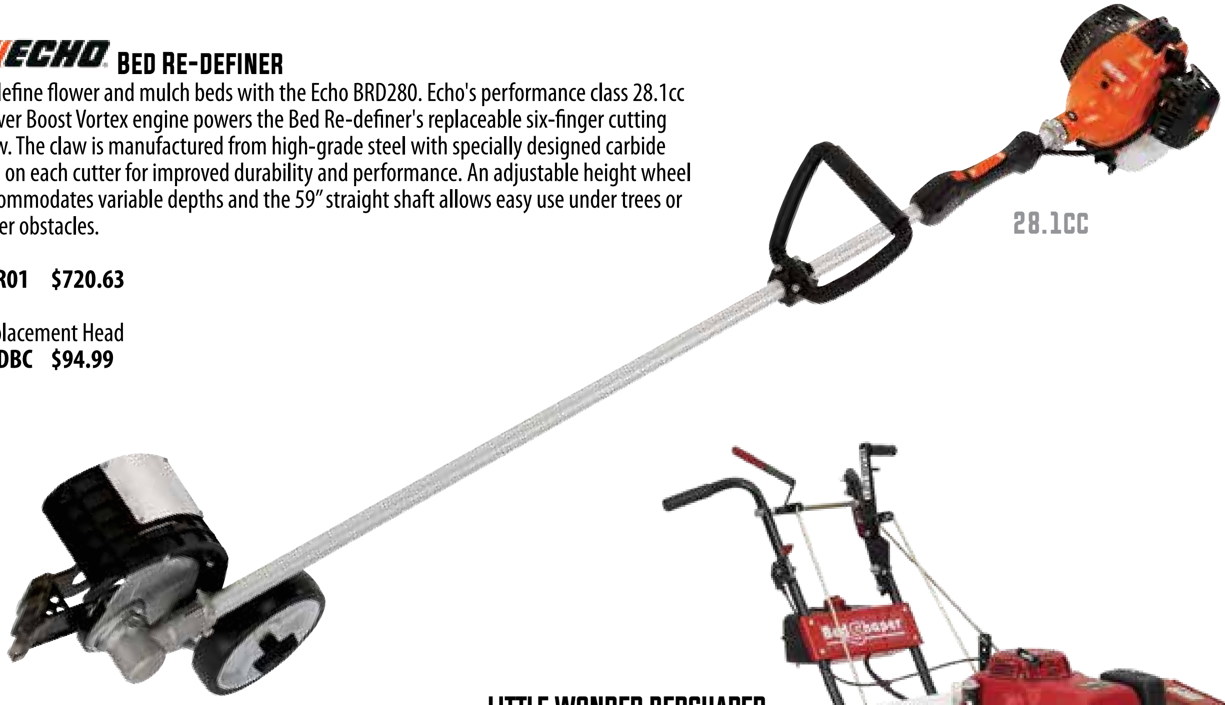
EPA02 **$121.96**

ECHO BED RE-DEFINER

Redefine flower and mulch beds with the Echo BRD280. Echo's performance class 28.1cc Power Boost Vortex engine powers the Bed Re-definer's replaceable six-finger cutting claw. The claw is manufactured from high-grade steel with specially designed carbide tips on each cutter for improved durability and performance. An adjustable height wheel accommodates variable depths and the 59" straight shaft allows easy use under trees or other obstacles.

EBR01 $720.63

Replacement Head
BRDBC $94.99



BedShaper
LITTLE WONDER

LITTLE WONDER BEDSHAPER

The BedShaper slices through the turf cleanly with its dish-shaped blade! Move Forward while you edge your beds. Excellent visibility to the cutting edge and speed control up to 4 miles an hour and 100ft per minute. Reverse and tow drive settings. The BedShaper's hydrostatic self-propelled system can re-define a bed as fast as you can walk. Leaves a clean strip of cut turf that you take away. Made for large-scale maintenance and landscape installation.

BS904 $5,891.00

MANTIS TILLERS

Mantis 2-Cycle and 4-Cycle tiller models now feature a contoured handle design for maximum control and comfort. These grips have a flush-mounted throttle, palm-controlled safety switch and infinitespeed control for superior ease-of-operation.

Every Mantis Tiller is powered by a commercial grade engine atop a durable power train featuring a precision steel cut gear system within heavy-duty cast housing. This provides the exceptional power necessary to turn spring-steel serpentine tines at up to 240 RPM – the secret to the tiller's sod-busting effectiveness. When reversed, the tines are nimble enough for delicate weeding.

Honda, 25cc, 4 cycle. Ship wt 29 lb
HMANTIS $727.19 3+ $714.70 6+ $706.89

Original, 21.2cc, 2 cycle. Ship wt 26 lb
MANTIS $463.60

ECHO TC-210 21CC MINI TILLER

The Echo 21cc MT210 Mini-Tiller will make your flower bed and vegetable garden preparation, cultivation, and maintenance a whole lot easier. This lightweight and powerful tiller with four 10" long hardened steel tines provides smooth tilling action for up to 9" wide furrows. A waterproof stop switch and throttle control is located at your fingertips. The worm gear-type transmission provides high tine rpm and torque. A kickstand is included for easy storage. Only 22 lbs, light!

EMT01 $412.77

TRADITIONAL GAS POWER

ECHO 20" LIGHT DUTY COMMERCIAL GRADE CLIPPER

With many heavy use upgrades. 21.2cc engine with diaphragm carburetor with purge pump. 16.9 fl oz fuel capacity with see-thru tank. 20" double sided, double reciprocating blades and throttle lock-out on rear handle to help prevent accidental throttle engagement. Commercial duty air filtration system. Ship wt 11 lb.

EHT01 **$365.02**

Husqvarna HEDGE TRIMMER 1225HD45

The lightest hedge-trimming model Husqvarna offers. It has low noise engine technology and its special design makes this hedge trimmer quiet and easy to use. That's very important for anyone who operates in residential areas. Being a double-sided trimmer, you get flexibility and efficiency with the double-sided knives that are ideal for shaping hedges. Besides a 21.7cc and 0.8 hp engine, it has a blade length of 18 in. Ship wt 10 lb.

HHT01 **$328.48**

ECHO PB-760LNT LOW-NOISE BACKPACK BLOWER

The most powerful low-noise backpack blower at 65dB. An airflow of 535 cfm and 214 mph moves large amounts of leaves and debris quickly. 63.3cc pro-grade 2-stroke engine. Vented backpad for user comfort. Padded backrest and shoulder straps for comfort. Low noise for noise-sensitive jobsites. Side-mounted, heavy duty, dual-stage air filtration for long engine life. Variable speed tube-mounted throttle with cruise control for operator convenience. 68.3 oz fuel capacity. Shipping weight of 28 lbs.

EB06 **$641.66** **3+ $626.96** **6+ $617.77**

Husqvarna 65.6CC BACKPACK BLOWER

is a powerful commercial backpack blower designed for demanding tasks. Large air flow and high air speed are provided by an efficient fan design together with the powerful X-Torq® engine. Commercial grade air filter gives long operating time and trouble free use. The harness has wide shoulder straps. Throttle controls are mounted on the tube. **Features a 65.6cc, 4hp engine producing up to 236 mph air speed at 76 dB.** Ship wt 33 lb.

HB05 **$684.22**

Husqvarna HANDHELD BLOWER

The 125B model is a handheld blower with high air velocity for real power on the jobsite. An auto return switch, and a streamlined inline outlet that keeps it relatively light weight. **Features a 28cc, 1.1hp engine producing up to 170 mph air speed at 70 dB.** Ship wt 12 lb.

HB01 **$221.29** **3+ $217.92**
6+ $215.82

PROFESSIONAL SAWS, CHAPS AND HELMETS

45CC – 18" BAR

CS-450 VIBRATION REDUCTION CHAINSAW, 18"

The CS-450 features a powerful 45cc Power Boost Engine with 18" bar. Heavy duty automotive style air filter extends engine life. Clutch-driven, automatic oiler. Digital ignition system automatically adjusts engine timing. Side access chain tensioner. Butterfly valve diaphragm carb. Vibration reduction standard feature. Fuel capacity, 15.2 oz. Ship wt 18 lb.

ECS03 **$561.94** **3+ $550.24** **6+ $542.92**

55.5CC – 20" BAR

THE 455R20 20" CHAINSAW

Discover the gold standard in heavy-duty, workhorse chainsaws. Husqvarna's world-renowned 455 Rancher is an ideal saw for landowners and part-time users who require a high-powered, responsive workmate for all cutting conditions. It combines the raw power of an X-Torq® engine with new innovations, such as the LowVib® anti-vibration and Smart Start® recoil systems. Prepare to get the job done with this outstanding saw. Ship wt 25 lb.

HCS05 **$618.41**

25CC – 12" BAR

ECHO 12" TOP HANDLE CHAINSAW

The lightest gas-powered chainsaw in North America! ECHO outfits its 12" CS-2511T Chainsaw with a 25CC gas-powered engine. This engine includes ECHO's G-Force Engine Air Pre-Cleaner. The choke of this lightweight chainsaw has an automatic fast idle feature and features a clutch-driven adjustable oiler, a dual-post chain brake, and a top handle with textured grip. Outstanding performance no matter the job, the extended top handle improves your reach, control, and maneuverability. The automatic fast idle choke makes starting easier than ever. Its clutch-driven oiler runs only while the chain is moving and is adjustable to match cutting conditions. This tool is the perfect combination of durability, efficiency, and size. The side-access tensioner allows for easy chain adjustments. Its textured grip and vibration reduction system keep you comfortable even with prolonged use. ECHO covers this tool with a 1-year warranty for commercial users and a 5-year warranty for consumers!

ECS07-12 **$413.06**

ELVEX WRAPAROUND CHAINSAW CHAPS

Ideal for loggers, DOT, DPW and utility workers, arborists, and landscapers, Elvex 91 series chain saw chaps feature 1,000 Denier Nylon, Prolar lightweight protective pads, and adds wrap-around protection around the calves. Apron-style design with quick-release buckles for waist and legs, easy to put on and take off. Includes zippered front pocket with large pull tab. These chainsaw chaps meet the requirements of ASTM Standard for Leg Protection for Chain Saw Users (F-1897-2008).

Item	Waist	Price	3+	6+
JE9133	33"	**$159.49**	**$156.20**	**$154.14**
JE9136	36"	**$161.38**	**$157.14**	**$154.49**
JE9139	39"	**$143.89**	**$141.85**	**$140.57**

NEW

CLMH ARBORIST HELMET

The CLMH Arborist Helmet is a sleek and comfortable helmet. This helmet has a 6-point ratcheting suspension, with an easy on and off chin strap with a soft flexible guard. A unique built-in rain trough keeps the wearer's head dry in rain. Meets ANSI Z89.1-2009 Requirements for Type 1 Class E, G, and C Meets or Excees EN 397/A1:2000 UL Classified. Available in four colors: Red (1R), Yellow (4Y), White (2W), and Orange (50).

CLMH-color **$50.49** **3+ $49.53** **6+ $48.93**

BREAKS UP COMPACTED SOIL, SAFE AROUND ROOTS, WIRES AND PIPES!

AIRSPADE
AIRSPADE

https://youtu.be/rYZqfXqKWNE

AIRSPADE 2000

Amazing technology that uses supersonic air to dig through soil. Pressurized air digs through the toughest soils and clays, but on non-porous items like cable lines and tree roots it has little effect. Gentle enough to use to aerate roots, locate roots when transplanting, perform root collar excavation, or locate buried utilities. Tough enough for trenching and digging holes. Generates 150 cfm of air, moving at 90 psi. The cast aluminum handle and fiberglass barrel are lightweight and durable. For best performance, connect to a compressor rated to 150 cfm and 100 psi.

Air-Spade wand with nozzle: 5' long, includes instructions. Ship wt 12 lb

AS2000	**$1,502.10**	**3+ $1,479.68**	**6+ $1,465.68**

Air-Spade Complete Kit: Wand with nozzle, locking storage case, 10' hose, and a 45° angled adapter for easier use in tight spots. Ship wt 37 lb

ABK2000	**$2,216.13**	**3+ $2,183.06**	**6+ $2,162.40**

ELVEX
DELTAPLUS PARTNER

6-POINT RATCHET ADJUSTABLE UNVENTED CAP

This system has the same specifications as CU30V, but is unvented and is equipped with a Lexan face shield. This face shield offers impact resistance, and is intended for power tools that may send high velocity objects flying in the direction of the operator.

CU30L	**$110.49**	**3+ $106.95**	**6+ $104.74**

AIRSPADE 4000 SERIES

The new standard for air excavation tools! GuardAir's Utility AirSpade 4000 Series harnesses the power of compressed air, with an output of 150 CFM. Use this tool to safely uncover underground utility lines. The 4000 Series features the patented AirSpade supersonic nozzle. This high-performance nozzle generates a laser-like jet that moves at twice the speed of sound. This movement allows for faster, more effective digging. GuardAir designed the AirSpade Utility 4000 Series to maximize safety, comfort, and efficiency. An insulated barrel, non-sparking nickel/aluminum/bronze nozzle, and brass components provide insulation from electricity. The built-in trigger guard prevents accidental activation. A dead-man trigger ensures safety during operation. GuardAir equipped the AirSpade 4000 Series with a lightweight yet durable ergonomic handle. This aluminum handle features a full-size grip opening. This opening accommodates the operator's hands even when wearing bulky linesman's gloves. The 4000 Series provides superior operator control thanks to a retractable stabilizer bar. An integral pressure gauge ensures you get the most optimal digging performance!

ASU4150KT	**$2,765.97**	**3+ $2,729.34**	**6+ $2,706.44**

ECHO

ENGINE DRILL - EDR-260

Powerful, go-anywhere drills can bore 1/2" diameter holes in steel or concrete, up to 1" diameter in wood, up to 7" diameter in soil! Fast, lightweight and easy to use: the choice of professional landscapers, nurseries, deck and fence installers, grounds keepers, etc. 1/2" keyless chuck. Ship wt 12 lb.

EED01 $678.78

Comes standard with:

- Diaphragm purge-pump carburetors
- Pro-Fire® electronic ignition
- 14 fluid oz fuel capacities

Benefits

- 25.44cc, 2 cycle engine
- 0-650 RPM
- Gear ratio 17:1
- 250 maximum rpm
- Steel muffler guard
- Fingertip throttle control
- Solid steel, heat-treated alloy gears
- Anti-vibration foam grip handlebars
- See through gas tank
- Quick start primer
- 2 year commercial warranty

EA02

EA08

EA10

FOR E43 AND EA500 AUGERS

2" auger for deep root feeding and small plantings.
EA02 Ship wt 10 lb **$174.49** **3+ $170.44** **6+ $167.92**

8" auger for general planting and setting large posts. Shock-absorbing spring and replaceable blade.
EA08 Ship wt 12 lb **$130.75** **3+ $128.95** **6+ $127.82**

10" auger for larger plantings and setting large posts. Shock-absorbing spring and replaceable blade.
EA10 Ship wt 15 lb **$179.31** **3+ $176.89** **6+ $175.38**

ECHO AUGER, 42.7CC ENGINE, 265 RPMS MAX

The state of the art 42.7cc engine makes this auger the logical choice for any digging operation! With all the power you'll need plus a throttle lockout for added safety. A large capacity gas tank, heavy duty air filtration system, diaphragm purge pump carburetor, and 265 maximum RPM round out this powerhouse. Whether you are digging for small trees, fence posts, poles or large posts, this powerful auger can handle it all.

EA500 $885.75

FSCG501
FR1G201
FSCK501
FSCD501

NEW

SCEPTER® SMARTCONTROL™ FUEL CANS

Make Fueling Equipment a cleaner, safer, better experience! The next generation of durable, easy-to-use fuel cans by Scepter. The SmartControl™ fuel cans now feature a handle on the rear of the can in addition to the traditional top handle. Allowing for more grip, better handling, and less spills. Scepter fuel cans utilize a straight forward spout design with a squeeze controlled flow rate. While the safety lock and flame mitigation device add a layer of protection.
Regulations & Safety Compliance: CARB / EPA Compliant, ASTM F2517-17 ASTM F852-08, ASTM F839-15, ASTM 3326-19

FSCG501	5 Gal., Red	wt. 2.9 lb.	**$29.98**	**3+ $29.38**	**6+ $29.00**
FR1G201	2 Gal., Red	wt. 1.8 lb.	**$23.93**	**3+ $23.45**	**6+ $23.15**
FSCK501	5 Gal., Blue	wt. 2.9 lb.	**$32.18**	**3+ $31.64**	**6+ $31.30**
FSCD501	5 Gal., Yellow	wt. 2.9 lb.	**$32.18**	**3+ $31.64**	**6+ $31.30**

SAVE TIME WHEN DIGGING

Heavy Duty Power Auger

224HD is the professional landscaper choice for increasing efficiency for grass plugs, 4 and 6 pack annuals, or deep feeding and aerating trees and shrubs. **The tip is heavy-duty and excellent for clay and loose rock. 2" dia. x 24 " L and 1/8 " thick durable 10 gauge steel.** 1/2" drive drill needed. Ship wt 3 lb. 100% Made in the USA!

224HD $116.56 3+ $114.63 6+ $113.42

AUGER, 3" DIAMETER, 1/2" HEX DRIVE, 24" WITH 12" FLIGHT

Auger, 3" Diameter, 1/2" Hex Drive, 24" with 12" Flight.

324H $51.39 3+ $50.32 6+ $49.66

POWER PLANTER BULB AUGER & BEDDING PLANT TOOL

Fits most cordless and electric drills!
Why dig when you can drill? Dig holes faster and easier with our Power Planter Bulb Auger & Bedding Tool! This auger bit features a 3/8" non-slip hex drive, so it fits into most cordless or electric drills. A hand-welded, 5/8" steel shaft and 10-gauge flighting makes this tool extremely rugged. It measures 7 inches in length and 3 inches in width. Use this tool when working with 3" or smaller potted planting beds. Simply tighten the drill chuck to secure the auger. Now you are ready to start planting!

307-BLK
$29.05 3+ $28.62 6+ $28.35

NEW

POWER PLANTER ONE-GALLON POT & POST HOLE AUGER The perfect size for 4 x 4 post holes! The Power Planter One-Gallon Pot & Post Hole Auger features an all-steel construction. They wrap the 1-1/4-inch shaft with a 10-gauge flighting. This tool measures 7 inches in diameter and 28 inches in length. This tool is perfect for planting one-gallon potted plants or shrubs. It also works exceptionally well for digging 4 x 4 post holes. It leaves enough room to pour cement around the post for anchoring. Power Planter recommends using a gas powerhead with this auger. You can also use a large electric drill with a side handle. Professionals choose Power Planter for planting solutions. This durable auger will provide you with years of dependable service.

8GPA $165.40
3+ $162.72 6+ $161.04

LEONARD WORK GLOVES

Knit cotton, **latex** palm glove featuring our name in A.M. Leonard orange. Seamless knit glove has no uncomfortable seams at finger tips. Excellent flexibility and grip. Visible orange latex to prevent misplacing. Flexible for maximum grip! Available in SM, MD, LG, XL. Ship wt .5 lb.

AMLG-size $5.49 8+ $5.34 16+ $5.24

PROTECT YOUR HANDS AND KEEP A SECURE GRIP!

LEONARD COOLGRIP FOAM NITRILE WORK GLOVES

A.M. Leonard's CoolGrip™ Foam Nitrile Work Gloves are light in weight due to a cool wearing 15 gauge nylon glove liner. In addition the glove coating is a micro foam nitrile which provides an excellent grip with good dexterity and is actually breathable as well, minimizing heat build up. Knit wrist. Size: SM - XL. Ship wt 1.5 oz.

N200-size $6.89 8+ $6.67 16+ $6.53

LEONARD THERMALGRIP LATEX PALM WORK GLOVES

A.M. Leonard's ThermalGrip™ Latex Work Gloves are built to keep you warm and provide an excellent grip. Warmth comes from the heavyweight napped terry acrylic knit liner and the responsive grip is due to the foam latex palm coating. Knit wrist. High Visibility Orange. Size SM - XL. Ship wt 4.6 oz.

L500-size $9.89 8+ $9.57 16+ $9.38

A GLOVE FOR JUST ABOUT EVERY JOB

ATLAS GLOVE
The Original!

ATLAS FIT® GLOVE

Latex palm for outstanding grip wet or dry. Abrasion and puncture resistant. Cotton string knit liner. Flexible for maximum dexterity. Breathable open back. Available in SM, MD, LG, XL.
Ship wt .5 lb.

AG300-size $2.77

OXXA X-PRO FLEX PLUS GLOVE, PACK OF 12

12 pairs of gloves to outfit your whole crew! Oxxa X-Pro Flex Gloves protects your hands while working. A light breathable nitrile foam coating with nitrile dots allows for increased grip and high degree of finger-tip sensitivity and flexibility to increase productivity. An anti-slip nitrile foam technology coating provides extra grip on dry, greasy or oily items. Antimicrobial treated with a breathable coating keeps your hands cool and dry. Available sizes: SM-XL. Ship wt 1.45 lb. **Sold per dozen.**

51-295-size $55.89 6+ $54.92 12+ $54.31

ECONOMICAL LIGHTWEIGHT MULTI-PURPOSE GLOVE

Seamless nylon knit glove with **polyurethane**-coated palm and fingers are breathable and provide good grip. An excellent choice for work requiring flexibility and dexterity. Available in SM, MD, LG, XL. Ship wt .5 lb.

33B125-size $2.46 6+ $2.43 12+ $2.41

CLASSIC COWHIDE GLOVES

Top grain cowhide is the perfect balance of breathability and durability! When you are looking for protection, warmth, grip and dexterity, this glove really delivers. Our leather work gloves are a perfect fit for your construction project. Comes with a shirred wrist for a secure fit. Keystone thumb. Available in MD, LG, XL. XS and 2XL available for special order only. Ship wt .5 lb.

98-size $23.32 6+ $22.57 12+ $22.11

NEW

GOATSKIN CUT-LESS GLOVES WITH KEVLAR LINING

These gloves offer the perfect combination of comfort and protection! These gloves combine a goatskin outer layer with a DuPont Kevlar liner. They also feature Kevlar stitching for increased protection. These gloves are extra large in size. Goatskin Cut-Less Gloves provide ultimate protection against cuts, abrasions, punctures, arc-flash, oil, and water. The outer goatskin layer offers a great combination of comfort and durability. The Kevlar lining and stitching provide increased protection. These gloves offer incredible protection from most working hazards. They have a PPE level 3 rating as well as ANSI cut resistance of A4. They offer an Arc Thermal Protection Value (ATPV) of 36 calories per square centimeter!

WRK1555-size $26.89 6+ $26.42 12+ $26.12

MORE GLOVES ARE AVAILABLE ONLINE!

SHOP NOW

NEW CUT-RATED GLOVES

RWG705

RWG713

RWG718

NEW TEKTYE CUT RATED A4 GLOVES

ANSI Cut Level A4. The Radians A4 Work Glove has a TEKTYE™ shell that is manufactured with an engineered yarn capable of meeting the ANSI cut level of A4 without the use of Fiberglass or Stainless Steel. Useful for applications requiring high abrasion resistance such as: Agriculture, Assembly, Automotive, Construction, Lawn & Garden, Manufacturing, Warehousing. Available in sizes: M, L, XL.

Foam Nitrile Palm
- 13-gauge TEKTYE™ shell
- Foam nitrile palm coating
- Reinforced Thumb Crotch
- EN388: 4X43D
- ANSI Abrasion Level 6
- Orange color

RWG705-size **$9.49** **6+ $9.24**
12+ $9.08

FDG Palm
- 13-gauge TEKTYE™ shell
- FDG palm coating
- Reinforced Thumb Crotch
- EN388: 4X43D
- ANSI Abrasion Level 5
- Gray color

RWG713-size **$11.49** **6+ $11.17**
12+ $10.97

FDG Palm, Touch Screen
- 18-gauge TEKTYE™ shell
- FDG palm coating
- Touchscreen compatible
- EN388: 4X42D
- ANSI Abrasion Level 6
- Blue color

RWG718-size **$13.49** **6+ $13.25**
12+ $13.10

ULTIMATE PROTECTION AND MINIMIZES HAND FATIGUE

NEW
CUT-LESS WATCHDOG® EXTREME CUT RESISTANT LEVEL A6 GLOVES

ANSI Cut Level A6. Seamless knit glove with Korplex™ cut resistant technology. Sandy nitrile coating for superior durability. Pre-curved finger design to minimize hand fatigue. Touch screen capable allowing use on most smart phones and tablets. Long knit cuff for a more secure fit. Available in sizes: M, L, XL.

- 13-gauge Korplex™ shell
- Sandy nitrile palm coating
- Touchscreen compatible
- EN388: 4544F
- ANSI Abrasion Level 4
- Gray color

35-7675-size **$14.89** **6+ $14.42** **12+ $14.13**

WORK DOESN'T STOP JUST BECAUSE IT RAINS.

HI-VIS CLASS III RAINWEAR

This high visibility rainwear is 100% polyester, PU coated oxford fabric. All seams are fully taped to ensure waterproof integrity. Jacket has two outer pockets and hood. Unlined. Meets ANSI/ISEA 107-2004 Class III standards. Specify size when ordering. Jacket available in MD, LG, XL, 2XL. Bib available in MD, LG, XL, 2XL, 3XL, 4XL, 5XL, 6XL. **Jacket and bib pants sold separately.** Ship wt 1 lb.

Jacket
751351-size $31.39

Bib pants
752353-size $31.68

SITEX 3-PIECE TROUSER RAINSUIT – High quality PVC on polyester for effective yet affordable waterproof protection. Complete three-piece protection, with jacket, hood and overalls in .35 mm Sitex. Features include adjustable waist snaps, 2 front snap pockets, cape back w/nylon vent, ankle take ups and underarm vents. Hunter Green. Available in MD, LG, XL, 2XL. Ship wt 4 lb.

76600-SIZE $25.49
4+ $25.18 8+ $24.98

HI-VIS BREATHABLE RAIN JACKET CLASS III

This high visibility ANSI 107 Class 3 rain jacket is made from breathable 100% polyester with a waterproof polyurethane coating. Tough stitched and welded seams mean this jacket is built to last. The zipper closure has a double storm flap so IT WILL STAY CLOSED! Rollaway hood has high collar while the storm cuffs are elasticized for added protection. 2" 3M Scotchlite silver reflection tape. Available in MD, LG, XL, 2XL.

3532BC-size $112.51
4+ $108.91 8+ $106.66

DELUXE SCRUSHER BOOT CLEANER

Even the thickest mud doesn't stand a chance with this heavy duty cleaner. Three sets of stiff nylon brushes on the bottom for maximum removal of debris. Constructed with a sturdy steel frame and hard maple replaceable brushes, the SCRUSHER is designed and built to last. Base is elevated for easier cleaning. Can be permanently mounted to heavy-duty rubber mat, wood, steel or concrete. Ship wt 5 lb

SB5U $109.49 3+ $106.33 6+ $104.35

Deluxe Repl. Brushes Ship wt 2 lb
SBS $29.11

THE ORIGINAL SCRUSHER WITH PORTABLE BASE

Steel base with six rubber feet hold Scrusher in place and prevent scratching of surfaces. Side brushes won't scratch shoes. Set of two stiff bottom brushes thoroughly clean soles, 22" x 6".

Scrusher with Portable Base. Ship wt 9 lb
H1PB $104.89 3+ $101.53 6+ $99.44

Replacement Brushes. Ship wt 1 lb
SBM $25.16

carhartt MUD RUNNER BOOTS

Durable vulcanized construction. Carhartt outfits each boot with their patented Insite footbed technology and Storm Defender waterproofing. Two toe types to choose from; soft or nano carbon fiber. Carhartt Mud Runner Boots keep you comfortable and dry in the harshest conditions. Their Insite footbed feels like a custom orthotic insole. It offers superior arch and heel support for maximum comfort. Mud Runner Boots combine comfort and durability. Their vulcanized construction makes them work as hard as you do. End the day the way you started with Carhartt Mud Runner! Also available with a soft toe.

Item	Size	Toe	Price
CMV1121-SizeM	10"	Soft Toe	**$150.76**
CMV1151-SizeM	15"	Soft Toe	**$170.49**
CMV1451-SizeM	15"	Carbon Fiber	**$180.49**

DEPENDABLE WARM WEAR

Navy
BERNE
Black

BERNE ORIGINAL HOODED SWEATSHIRT

SHELL FABRIC: 60% cotton/40% polyester fleece
INSULATION/LINER: 5 oz. 60% cotton/40% polyester thermal lining

- Two-needle stitched main seams
- Double layered three-piece hood with drawstring
- Oversized front pockets
- Reinforced bartacks at stress points
- Media pocket

Item	Size	Color	Price
SZ101BKR440	Large	Black	**$42.49**
SZ101BKR480	XL	Black	**$42.49**
SZ101NVR400	Medium	Navy	**$42.49**
SZ101BKR400	Medium	Black	**$42.49**
SZ101NVR440	Large	Navy	**$42.49**
SZ101BKR520	2 XL	Black	**$42.49**
SZ101NVR480	XL	Navy	**$42.49**

BERNE
Cedar Green
Tuscan Brown

BERNE WOMEN'S CANYON VEST

The right amount of warmth and coverage when a full jacket isn't needed. Durable, cotton sanded duck shell with heavyweight polyester sherpa ensures you warmth and comfort all day long no matter what task you are working on. Great for those times that you don't need a full coat or need extra warmth under your jacket. Triple-needle stitched main seams and reinforced bartacks at all stress seams ensures this vest will make it through a tough workday. The Canyon Sherpa Lined Vest offers extra-large front pockets and three inside pockets. An extended back allows for extra warmth. Available in sizes: SM-4X.

Item	Color	Price	4+	8+
WVS15GR-size	Cedar Green	**$48.89**	**$47.49**	**$46.62**
WVS15TBR-size	Tuscan Brown	**$48.89**	**$47.49**	**$46.62**

Black
BERNE
Charcoal

BERNE THERMAL-LINED QUARTER ZIP FRONT HOODED SWEATSHIRT

Berne's Mastic thermal lined hooded quarter zip doesn't let a little cold weather slow you down. Made from a heavyweight cotton polyester blend fleece, with a double layered, 3 piece hood and drawstring closure for added comfort. The 5 oz thermal inner lining offers warmth and durability, with a quarter zip front, large front pocket and heavyweight, rib-knit storm cuffs. The quarter zip front allows for easy on and off and added comfort. Available in sizes: SM-4X. Tall sizes: MDT-4XT.

SP350BK-size	Black	**$75.49**
SP350DGRY-size	Charcoal	**$75.49**

Black
Bark
Slate
BERNE

BERNE CANYON VEST

This BERNE Canyon Vest has a brown 100% cotton duck shell with a 100% polyester Sherpa-style lining. This vest features an extended back, triple-needle stitching at the main seams, and reinforced bar tacks at all stress seams. It also has a single extra-large front pocket and three inside pockets.

BERNE Canyon Vests are perfect for layering. They provide just the right amount of warmth and coverage when a full jacket is not required. They also fit comfortably under a jacket for those cold winter days. BERNE designs its Canyon Vests with comfort and durability in mind. The 12 oz sanded cotton duck shell provides a soft, broken-in feel. The Sherpa-style lining and extended back provide extra warmth. The triple-needle stitching and reinforced bartacks ensure this jacket will provide warmth for years to come! Available in sizes: SM-4X.

Item	Color	Price	4+	8+
VS818BK-size	Black	**$57.49**	**$56.23**	**$55.45**
VS818BBR-size	Bark	**$57.49**	**$56.23**	**$55.45**
VS818SL-size	Slate	**$57.49**	**$55.91**	**$54.92**

NEW ARM GUARD BY JOHN BOY

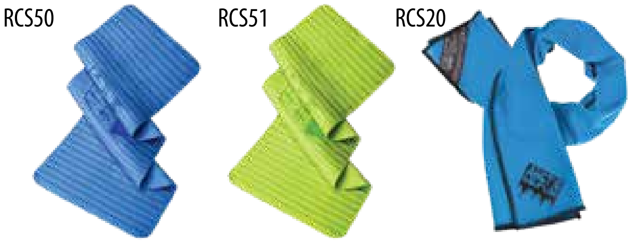
Temperature controlled Arm Guards provide full arm coverage that absorbs and wicks away sweat, while delivering advanced cooling relief by shielding your skin from harmful UV rays! 4-Way Stretch Technology. 95% Polyester & 5% Spandex. Attractive Low-Profile. Mix & Match your pair. Lightweight, Breathable, & Moisture Wicking. Temperature-Controlled Cooling Material. High Quality Product at an Attractive Price. One Size Fits Most (S-XXXL). Bicep 10"-17". Wrist 5"-9". Length 17". **Sold individually** (1 Arm Guard per Package).

Item	Color	Price
AG-LT-GREY	Light Gray	**$8.49**
AG-USA-BLK	US Flag, Black	**$8.49**
AG-TMAP-BL	Map, Black	**$8.49**
AG-CAMO-BLK-G	Camo, Black/Green	**$8.49**
AG-DCAMO-G	Dot Camo, Gray	**$8.49**

NEW MAX-DRI MOISTURE WICK T-SHIRT WITH RADCOOL

Meets ANSI/ISEA 107 Standards. The Arctic Radwear® ST31-2 short sleeve cooling T-shirt uses Max-Dri Technology treated with RadCool resulting in revolutionary temperature management that uses perspiration to keep you cool and dry. The T-shirt moves moisture away from the skin and circulates it through the fabric keeping you cooler, longer. Max-Dri Moisture Wicking Polyester Mesh with RadCool Technology. 2" Heat Transfer, Segmented Reflective Tape. 1 Horizontal Stripe. Pockets: 1 Upper Left Front. Mesh Sideseam Insert. 25 Wash Max. Job site applications include: Agriculture, Assembly, Automotive, Construction, Food Handling, Hunting, Lawn & Garden, Manufacturing, Oil & Gas, Shooting, Warehousing, Home/DIY, Utilities. Available in sizes: M, L, XL, 2X.

ST31-2PGS-size $35.49 6+ $34.94 12+ $34.59



NEW RADIANS ARCTIC RADWEAR® COOLING WRAPS

Radians Arctic Radwear® Cooling Wraps are made with Advanced ARCTIC Technology that accelerates the evaporative cooling process. Just soak the wrap in water for 2-3 minutes and then experience cooling relief for up to 5 hours. The Arctic Radwear® Cooling Wrap is designed to keep you cool during hot outdoor activities, such as construction work, tough workouts, or any strenuous outdoor or indoor activity. Secure around neck by pulling through slot opening. Reusable Packaging Design. Safe and Reusable, Jobsite Proven. Anti-Microbial treated to help prevent mold build-up and unwanted smells. Heat stress safety management. Lasts up to 5 hours, depending on humidity levels. Job site applications include Agriculture, Assembly, Automotive, Construction, Food Handling, Hunting, Lawn & Garden, Manufacturing, Oil & Gas, Shooting, Warehousing, Home / DIY, Utilities.

Item	Size	Color	Price	6+	12+
RCS50	26" x 8.25"	Blue	**$7.49**	**$7.25**	**$7.10**
RCS51	26" x 8.25"	Lime	**$7.49**	**$7.25**	**$7.10**
RCS20	32.5" x 12"	Blue	**$13.49**	**$13.10**	**$12.86**

NEW BOONIE HAT BY JOHN BOY

UPF 50+ Sun Protection. A good sun protection hat is critical, especially for those who spend countless days under the sun. If you are looking for a wide-brimmed, lightweight hat, look no further than our custom printed John Boy Boonie Hats. Featuring a UPF 50+ rating, moisture wicking properties, and a performance sweatband, this sun protection hat will keep your head cool while shading your face and neck from damaging UV rays. Complete with adjustable tightening strap Adjustable Neck Strap. One Size Fits Most. Adjustable Headband.

Item	Color	Price	4+	8+
BH-ARMY-OR	Army Green, Orange	**$19.49**	**$19.12**	**$18.89**
BH-CAMO-BG	Camo, Black/Green	**$19.49**	**$19.12**	**$18.89**
BH-USABLK-G	US Flag, Gray	**$19.49**	**$19.12**	**$18.89**
BH-TMAP-NB	Map, Navy	**$19.49**	**$19.12**	**$18.89**

NEW MAX-DRI MOISTURE WICKING SHORT SLEEVE POLO SHIRT

Meets ANSI/ISEA 107 Standards. Radians ST12 Class 2 Hi-Vis Short Sleeve Polo with Max-Dri Moisture Wicking Mesh is made with an arid Birdseye Mesh allowing for maximum breathability, without compromising durability. The stripes are adhered by heat transfer rather than sewn on, making the safety Polo extremely comfortable. The wicking properties improve hot weather comfort making it feel much cooler. The front pocket does not include reflective material to allow for corporate imprints. Max-Dri Moisture Wicking Mesh Technology. 2" Heat Transfer Reflective Tape. 1 Horizontal Stripe. Pockets: 1 Upper Left Front. Collar with 2 buttons. Materials: 100% Wicking Polyester Mesh. 25 Wash Max. Job site applications include Agriculture, Assembly, Automotive, Construction, Food Handling, Hunting, Lawn & Garden, Manufacturing, Oil & Gas, Shooting, Warehousing. Available in sizes: M, L, XL.

ST12-2PGS-size $27.49 6+ $26.63 12+ $26.10

RADIANS
RCS309
RCS305
RCS109
RCS105

NEW RADIANS ARCTIC RADWEAR® HEAD SHADES

Combat Heat Stress and Fatigue with an Intense Cooling Experience! Radians Arctic Radwear® Head Shades are made with Advanced ARCTIC Technology that accelerates the evaporative cooling process. Just soak the band in water for 2-3 minutes and then wear it for up to 5 hours of cooling relief. Our patent pending stretch-fit spandex design allows the band to move with your body, allowing for optimum blood circulation, keeping you cooler. Designed to keep you cool during hot outdoor activities, such as construction work, workouts, or any strenuous activity. Patent pending stretch-fit design allows for better blood circulation and comfort. Safe and Reusable, Jobsite Proven. Anti-Microbial treated to help prevent mold build-up and unwanted smells. Lasts up to 5 hours, depending on humidity levels. One size fits all. Job site applications include Agriculture, Assembly, Automotive, Construction, Food Handling, Hunting, Lawn & Garden, Manufacturing, Oil & Gas, Shooting, Warehousing, Home / DIY, Utilities.

Item	Type	Color	Price	6+	12+
RCS309	Head Shade	Digital Camo	**$14.49**	**$14.08**	**$13.82**
RCS305	Head Shade	Blue	**$14.49**	**$14.08**	**$13.82**
RCS109	Headband	Digital Camo	**$7.49**	**$7.25**	**$7.10**
RCS105	Headband	Blue	**$7.49**	**$7.25**	**$7.10**

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Source Code: **Customer #:**________________

A.M. Leonard inc. 241 Fox Drive • PO Box 816 • Piqua, OH 45356

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Business Name ____________________________________

Address ____

____

City, State, ZIP ___________________________________

Phone ____

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METHOD OF PAYMENT:

☐ Check / Money Order (include driver's license number)

☐ Gift Certificate (applies only to merchandise total)

☐ VISA ☐ Mastercard ☐ Am. Express ☐ Discover

Card No.

Security Code

Security Number (CSC): 3-digit code found on back of card. American Express users, 4-digit code located on front of card.

Expiration Date: /

____
Signature

Item No.	Qty.	Ship Wt.	Size / Color	Price Ea.	Total Purchase
See below for shipping rates		**Total Ship Weight:**		**Item Total:**	

Shipping Charge:

OHIO Residents Add 7% Sales Tax

Total

A.M. LEONARD USE ONLY:
REMIT. $ ____________________
ORD. # ______________________

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BUILT WITH ALL THE FEATURES PROS LOOK FOR.

LEONARD 24" POLY SNOW PUSHER

A great snow pusher at a great price. Continuous blade front rolls more snow forward during use and provides maximum capacity for removal of deep snow. Reinforcement ribs on back of blade provide the strength needed when cutting through to the surface. Blade: 24" x 11". Overall length 52-1/2" with a large 1-1/4" diameter hardwood handle and strong poly D-Grip. Ship wt 4 lb. **Made in the USA.**

A124P	No Metal Wear Strip	**$34.95**

LEONARD 18" POLY SNOW SHOVEL

Great performance at a great price. High impact poly material holds up to weather extremes and the reinforced rib design provides plenty of strength. Blade shape with raised sides creates the extra holding capacity you need for deep snow removal. Blade measures 18" x 13-1/2". Overall length 54-1/2" with a large 1-1/4" diameter hardwood handle and strong poly D-Grip. Ship wt 4 lb. **Made in the USA.**

A118P	No Metal Wear Strip	**$34.75**

LEONARD HD 42" SNOW PUSHER W/FIBERGLASS HANDLE

LARGER SIZE FOR DRIVEWAYS AND SIDEWALKS. Our new snow pusher has all the features in our A230P but with a wider head. 42" makes this big boy the best pusher for wider surfaces. Durable UHMW (UltraHigh Molecular Weight) poly material known for exceptional wear. The fiberglass handle doesn't transmit cold and is reinforced internally at the D-grip and bracket. Full 1/4" thick blade for extra durability. Heavy duty bracket for extra strength. Ship wt 7 lb. **Made in the USA.**

A242P **$81.09**

TOUGH
UHMW
POLY
BLADE

LEONARD HD 30" SNOW PUSHER W/FIBERGLASS HANDLE

Features an extremely durable ultra high molecular weight poly material known for its exceptional wear properties, plus it's 1/4" thick for maximum durability. The popular 30" blade provides a wide swath while staying easy to manage. The handle is fiberglass and is reinforced internally at the D-grip and Bracket. The large D-grip is comfortable even with thick winter gloves. Wt 5 lb. **Made in the USA.**

A230P **$74.47**

36" WIDE WITH WHEELS!

LEONARD COMMERCIAL 36" WHEELED SNOMOVER

The Leonard SnoMover clears light snow from large areas FAST! Angled 'Flip Blade' moves snow to one side, even when pushing from two directions. No lifting required. **The tall 10-1/2" blade height prevents snow from spilling over the blade top.** Sturdy 1/4" UHMW poly blade has superior wear properties and impact strength. Powder coated tubular steel handle, 36" blade width. **Made in the USA.**

A336P **$122.79**

QUICKLY MOVE MOUNDS OF SNOW!

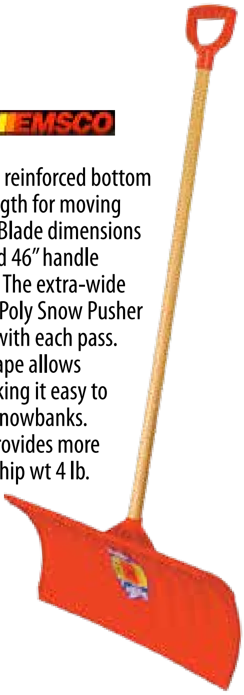
16274
16304

PP200
PP100

BIGFOOT POLY SNOW PUSHER

The 8-rib design and reinforced bottom edge add extra strength for moving mountains of snow. Blade dimensions are 25″ x 12.5″. Wood 46″ handle features poly D-grip. The extra-wide blade of the Bigfoot Poly Snow Pusher gathers more snow with each pass. The curved blade shape allows the snow to roll, making it easy to deposit on existing snowbanks. The D-grip handle provides more control during use. Ship wt 4 lb.

1280 $40.28



AMES UNION ARCTIC BLAST® MOUNTAIN MOVER SNOW SHOVEL

Poly blade snow shovels. Comes with quick connect handles. Also features a poly D-grip. Available in shovel or pusher styles. **No wear strip.**
Ship wt 4 lb.

18″ x 13-1/2″ blade. Handle length 40.5″
16274 $24.92

24″ x 11″ blade. Handle length 43″
16304 $27.76

COMMERCIAL SNOW PUSHER

Commercial Snow Shovel with a 44″ fiberglass handle and poly D grip. The ABS blade is lightweight and strong for demanding use over long periods. **No wear strip.** Ship wt 4 lb.

PP100	24″ x 12″	**$48.45**
PS200	18″ x 13.5″	**$44.84**

32" MANPLOW PRO LINE SNOW PUSHER

The PRO Line features a lightweight aluminum U handle with Comfort Grip, and a patented 1.5″ EZ Glide Edge. The EZ Glide Edge is durable enough to clear snow from aggregate, broken concrete or gravel surfaces but will not scratch or gouge wood or composite decking material like a steel edge will. The EZ Glide Edge's wide bottom edge allows the MANPLOW to skim deep snow in manageable horizontal layers. MANPLOW's are designed to be DURABLE. MANPLOW PRO models feature a replaceable 1.5″ EZ Glide Edge; expect 300-350 shoveling hours before needing to be replaced. 32″ blade. **Made in the USA.**

PR032 $124.94

MIGHTY MELT
MELTS ICE FAST!
ROCK SALT
NET WT. 50 LBS. (22.6 kg)

ROCK SALT, 50 LB BAG

Rock salt works by drilling a hole through the ice until it meets pavement, then the salt spreads out to separate the ice from the pavement. This product consists of fast acting smaller pieces, and long lasting larger pieces.

RSTL	**$22.52**

SNOWEX 12 GALLON LIQUID SPRAYER

If eco-friendly brine solutions are the preference for snow and ice removal, the SnowEx liquid sprayer is the perfect tool to apply liquid solutions. Powered by a 12-volt electric pump at one gallon per minute at 60 psi. The rechargeable battery will fully charge in 12 to 16 hours. Easily apply solutions with the heavy duty wand for tough spots like steps or use the boomless front nozzle for long walkways. Powder coated frame and one-piece LLDPE safety yellow poly tank holds 12 gallons. 48″x 33″x 28″. Ship wt 60 lb.

SL80 **$984.38** **3+ $961.92**
6+ $947.88

SALTDOGG® 100 LB BULK SALT WALK BEHIND SPREADER

The SaltDogg® Bulk Salt Walk Behind Broadcast spreader features bulk flow gate that will allow your material to flow freely. Spreads material up to 24′ with it's completely enclosed gear box made from alloy gears and integrated grease fittings. The 1.5 cubic foot poly hopper holds up to 100 lb of bulk salt, bagged salt, or ice melt. The welded frame is made from powder coated carbon steel. Large 13″ pneumatic tires to make the job easier. Spreader comes equipped with a fixed rear deflector and three poly deflectors to adjust your spread to meet your needs. The material flow regulator has a solid linkage to easily control as you go. Comes with a hopper screen and nylon rain cover to keep material dry and moving. Ship wt 42 lb.

SD155BG	**$349.37**

CP-1G

CP-25G

CP-5G

NEW

BARE GROUND CLEAR WAY LIQUID DEICER

Bare Ground Clear Way is a non-chloride potassium formate liquid deicer. Clear Way is an odor free, nontoxic and non-corrosive way to clear ice and snow from sidewalks and walk ways. Made with the lowest COD and BOD possible to lower an impact on waste water in any sensitive areas. Environmentally safe and safe to use around pets, plants and landscape. With an effective freeze point of -63ºF, it significantly reduces the freezing point of water making Clear Way and excellent anti-icing solution to get you ahead of the storm, saving time and money. 1 gallon covers 1,000 square feet.

CP-1G	1 gallon	**$23.84**
CP-25G	2.5 gallon	**$48.95**
CP-5G	5 gallon	**$89.95**

NATURAL ALTERNATIVE® ICE MELTER

Natural Alternative® Ice Melt covers 65% more surface area than rock salt. Natural Alternative® formulates this ice melt to be biodegradable and non-toxic. This proprietary formulation of calcium chloride, sodium chloride, potassium chloride and magnesium chloride makes it safer for both pets and the environment. When used as directed, it causes no damage to lawns, vegetation, hardscapes, or cured concrete. For best results, apply before a storm begins. To melt existing snow and ice, remove as much snow as possible and then apply Natural Alternative® Ice Melt. Apply at a rate of 1 to 4 lb of ice melt per 500 square feet, depending on the amount of snow and ice present. Keep a bag in your vehicle in case of an emergency. Choose from either a 9 lb jug or a 20 lb bag below.

NALT-9	9 lb jug	**$18.22**
NALT-20	20 lb bag	**$31.43**

Natural Alternative
Ice Melt
Natural Alternative
Ice Melt

LOOKING FOR MORE
ICE REMOVAL PRODUCTS?
SHOP NOW

50
lb. capacity
A.M. LEONARD

LEONARD 50 LB CAPACITY BROADCAST SPREADER

This model has a poly/steel frame for increased corrosion resistance to salts and fertilizers. Basic but tough. Leonard's 50 lb spreader is great for smaller applications. Features a single port hopper made from strong Polyethylene with agitation wire at base for complete dispersal of materials. Dial-type rate adjustment. 6'-10' spread width. For ice melt applications, push spreader at 2 1/2 mph to reduce width of spread. 10" diameter pneumatic tires. Hopper cover included. Ship wt 16 lb. **Made in the USA.**

AM50P $198.69 3+ $193.84 6+ $190.81

70
lb. capacity
A.M. LEONARD

LEONARD 70 LB BROADCAST SPREADER WITH DEFLECTOR

The Leonard 70 lb Capacity Spreader features a single port hopper design allowing use with ice melters, bagged rock salt, and turf fertilizers. The spreader is equipped with a stainless steel 3-sided, removable shield reducing spread pattern for ice melt applications to sidewalks. Large 13" pneumatic tires and self lubricating gears keep the spreader rolling smoothly over a variety of terrain. Other features: Instant open thumb latch mechanism, powder coated frame, dial type rate gate adjustment, rust proof poly rims, tool-free gear cover, partially assembled. Free Hopper cover included. Wt 24 lb. **Made in the USA.**

AM70LP $339.89 3+ $331.96 6+ $327.00

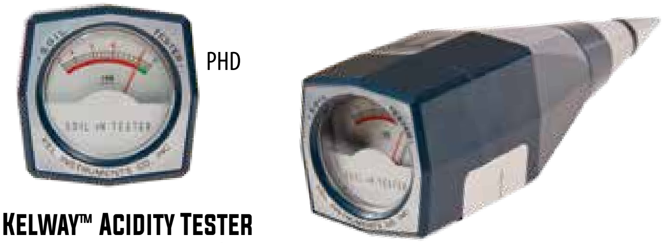
A.M. LEONARD EXCLUSIVE!

TOUGH AND COST EFFECTIVE — LESS THAN HALF THE PRICE OF STANDARD FIBERGLASS STAKES!

4' REFLECTIVE BAMBOO STAKES

Keep your boundaries and hazards visible in even the most blizzard of conditions. Bamboo has great flexibility and plenty of strength for keeping parking lots, driveways, sidewalks and obstacles clearly identified. 1/2" x 4' stake is topped with a 6" red reflective tape. In hard, rocky or frozen soils, we recommend a pilot hole during installation. The stake driver tool, DSD4 (page 182), is ideal for this and is a BIG timesaver! **Priced per bundle of 100.** Ship wt 19 lb.

RSN48 $128.49 3+ $124.38 6+ $121.81



PHD

KELWAY™ ACIDITY TESTER

Accuracy +/- 0.2 pH in acidic soils, not designed for soils 7.5+ pH. Popular among universities and rose growers. Lasts for years when properly maintained. Use in slightly moistened soil to get accurate readouts. Ship wt .3 lb.

PHD $79.49 3+ $78.07 6+ $77.19

Kelway™ Conditioning Pads

Wipe away impurities on your Kelway pHD. Pack of 24 pads.

24KCP $11.20 3+ $10.99 6+ $10.85

24KCF

KELWAY™ ACIDITY AND MOISTURE TESTER

Push button switch for measuring pH ranges from 3.5 to 8. Can be calibrated to maintain accuracy. Also measures soil moisture. Accuracy +/- .2 pH in acidic soils, not designed for alkaline soils (7.5+ pH). 6-1/2" long. Leather case included. Ship wt .6 lb.

HB2 $158.89 3+ $155.60 6+ $153.54

Kelway™ Conditioning Film – Wipe away impurities on your Kelway HB-2 Soil Acidity and Mositure Tester. 24 pack.

24KCF $25.06 3+ $24.42 6+ $24.02

HANNA instruments

BORON TEST KIT FOR IRRIGATION WATER

The boron chemical test kit is a titration-based chemical test kit that determines the boron concentration in irrigation water within a 0-5 mg/L (ppm) range. Supplied with all the necessary equipment and reagents to perform 100 tests. Included in the kit are pH adjustment reagents, sample beaker, plastic pipettes, screwdriver, and a pocket pH meter. Readings from 0-5 mg/L are determined to 0.2 mg/L resolution. Boron is an essential micronutrient for plant growth with its role in forming and strengthening cell walls. The micronutrient also has a positive impact on the uptake of potassium and phosphorus in many plants. Boron may naturally be present in water.

HI38074 Ship wt 1.65 lb **$129.49 3+ $127.00 6+ $125.45**

Replacement Reagents (100 Test)
HI38074-100 Ship wt 1.26 lb **$45.99 3+ $44.52 6+ $43.60**

KNOW YOUR SOIL CONDITIONS BEFORE YOU PLANT

ELECTRONIC 4-WAY SOIL ANALYZER METER

This Electronic Soil Analyzer measures four components vital for plant growth: pH, fertility, moisture, and light levels. It features an easy-to-read face for precise results. The included plant guide gives you recommendations for most types of plants.

This meter displays pH readings of 1 to 9. Fertility reads as "too little", "ideal", or "too much" based on USDA standards for combined soil N-P-K levels. It measures soil moisture and gives you a result of 1 to 4 (dry to wet) and displays light measurements of 0 to 10,000 foot-candle hours. This convenient meter combines four functions into a single, easy-to-use unit. It provides accurate results, ensuring you give your plants what they need most. The manufacturer covers this meter with a 1-year warranty!

FW1880 $42.49 3+ $41.13
6+ $40.28

Share data via email, Facebook or Twitter from the LiNK app directly

KESTREL DROP2 DATA LOGGING MONITOR

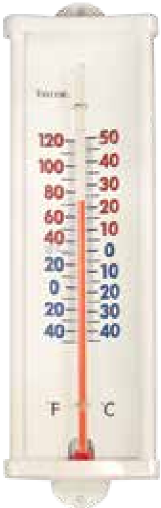
Small, accurate, rugged and waterproof, the Kestrel DROP2 can be placed wherever needed to log and track temperature, humidity, dew point and heat index. Simple and automatic retrieval of the data through the LiNK app when in range (100' or more) of the monitor. Store months and thousands of data points with customized logging rate, connections and alerts on a single coin-cell battery or view the data in real time. Share and save data from multiple monitors on a single device and know the variant environmental measures in your greenhouse, growing space or workspace. Built with a sturdy d-ring the DROP2 can be hung wherever it is needed. Ship wt .2 lb. Manufacturer covers this monitor with a 5-year warranty. **Made in the USA!**

DRP2 **$135.49**

MIN/MAX THERMOMETER

Unique two-reading thermometer records highest and lowest temperatures since previous setting. Easy push-button reset. Range -40° to 120°F (also scaled to C°). Ship wt .5 lb. Manufacturer supplies lifetime warranty.

5458T **$29.49** **3+ $29.01** **6+ $28.71**



TAYLOR GREENHOUSE THERMOMETER

Outstanding economy! 9 1/8" x 2 1/2" white metal in a convex design aids in readability, with bold, easy-to-read figures. Weather resistant and rust proof.

5132T **$5.07**
3+ $5.02 **6+ $4.99**

RR373MX
RR373

RITE IN THE RAIN – WATERPROOF SPIRAL NOTEBOOK

A truly amazing paper created specifically for writing filed notes in wet, humid conditions! Paper is treated with a unique and exclusive chemical coating that makes it possible to write and keep clear, readable notes even in a rainstorm. All notebooks feature a bright yellow Polydura cover that is easy to spot. Use with pencil or the all-weather pen featured. Don't trust your valuable information to anything else. Ship wt 1 lb.

Item	Pages	Type	Size	Spiral	Price
RR373MX	42	Universal	8.5 x 11	Side	**$21.62**
RR393MX	42	Journal	8.5 x 11	Side	**$35.33**
RR393	32	Journal	4-5/8 x 7	Side	**$7.93**
RR146	50	Universal	4 x 6	Top	**$6.78**

ALL WEATHER PEN

These all-weather pens write on wet paper and upside down! While a pencil works great on the all-weather notebooks, sometimes you just need a pen. Chrome/Plastic barrel. Ship wt .5 lb.

RR373 **$15.94** **3+ $15.71** **6+ $15.57**

HI1294D
HI9814

HANNA instruments GroLine

GROLINE WATERPROOF HYDROPONICS PH/EC/TDS/TEMPERATURE PORTABLE METER

Designed to bring simplicity to nutrient testing! This GroLine Portable Meter is designed specifically for hydroponic, aquaponic, and greenhouse growers. Using a single amplified probe measure pH, conductivity (EC), total dissolved solids (TDS), and temperature makes for hassle-free measurements. With Quick CAL calibrating, the GroLine Meter is quick and easy to calibrate. Using one-point calibration and the Quick Cal solution automatically calibrate your meter for pH and EC in little time. 2-year manufacturer warranty for meter. A 6-month warranty for the probe.

This kit includes:

- HI1285-7 multi-parameter probe
- Quick calibration solution sachets (3)
- Electrode cleaning sachets (3)
- AAA batteries (3)
- Visual quick-start guide
- Instruction manual

pH Range: 0.00-14.00 pH
pH Accuracy: ± 0.01 pH
EC Range: 0.00-6.00 mS/cm
TDS Range: 0-3000ppm (0.5CF);
0- 3999 ppm (0.7CF)
Temp Range: 0.0-60.0°C / 32-140°F
Battery Type: AAA
Battery Life: 500 hours continuous use

Item	Description	Ship wt	Price	3+	6+
HI9814	Portable Meter Kit	1.6 lb	**$295.01**	**$290.43**	**$287.56**
HI1285-7	Replacement Probe	.4 lb	**$159.02**	**$156.45**	**$154.85**
HI1294D	Direct Soil & Soilless Media pH Electrode	.8 lb	**$223.12**	**$219.52**	**$217.26**

MOISTURE MONITORS AND MORE

HANNA COMBO PH/EC/TDS/C/PPM TESTER

This waterproof tester offers high accuracy pH, EC/TDS, and temperature measurements all in a single tester! The housing has been completely sealed against humidity and designed to float. All pH and EC/TDS readings are automatically temperature compensated. Tester has an easy to read LCD and an automatic shut-off. Unit comes with electrode, electrode removal tool, and four 1.5V batteries.

pH Range: 0.00-14.00 pH
pH Accuracy: ± 0.05 pH
EC Range: 0.00-20.00 mS/cm
TDS Range: 0-10.00 ppt (g/L)
Temp Range: 0.0-60.0ºC / 32-140ºF
Battery Type: 1.5V (4)
Battery Life: Approx. 100 hours continuous use. Auto off after 8 minutes.

7.02
25.0
C/MODE
SET/HOLD
Combo
pH & EC
waterproof

HI98129 $10.71 3+ $10.55 6+ $10.44

Replacement Electrode
HI73127 $63.53

HI98136N HANNA GROCHEK PH/EC/TDS METER WITH CAL-CHECK

Versatile and easy to use! The Hanna GroCheck meter is a portable, water-resistant, multi-parameter instrument. Hanna designed this unit for agricultural applications. It is perfect for use in hydroponics, greenhouses, farms, or nurseries. This meter features a large LCD that clearly displays the current parameter. The screen also displays calibration instructions. The GroChek measures pH, EC, and TDS ranges. You can easily select your desired application using a membrane keypad on the front of the panel. This unit includes the CAL-Check™ feature. This feature allows you to check the calibration status of the pH probe at any time. Refer to the manual for probe and unit maintenance, calibration, and care instructions for best results. Product requires 1 9-volt battery (included with the meter). Ship wt 1 lb.

HI9813-6 $11.24
3+ $11.03 6+ $10.90

Replacement Probe
HI1285-6 $129.89

pH Range: 0.00-14.00 pH
pH Accuracy: ± 0.1 pH
EC Range: 0.00-4.00 mS/cm
TDS Range: 0-1999ppm (mg/L)
Temp Range: 0.0-60.0ºC / 32-140ºF
Battery Type: 9V
Battery Life: Approx. 150 hours continuous use.

12" IRROMETER MOISTURE MONITOR

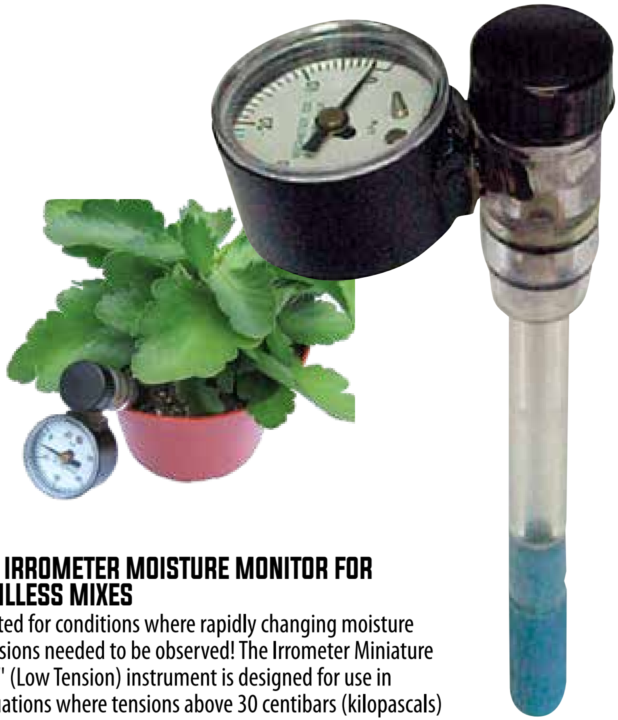
The Model "LT" is the ultimate in sensitivity at the very "Wet" end of the soil water range (below 20 centibars of soil water suction)! Designed to operate in very low water holding capacity soils (coarse sand) and non-soil planting mixes used in the container nursery industry- where soil needs to be maintained in the 5-15 centibar range with some precision.

LTR12 $173.49

IRROMETER MOISTURE MONITOR FOR FIELD APPLICATION

For field or container applications, install in soil for continuous readings! A sealed water-filled tube with a special vacuum gauge and porous tip, works upon the tensiometer principle. As water is drawn from the soil by the roots, a partial vacuum is created, and pressure is recorded on the gauge. Low readings indicate waterlogged soil that has inadequate root aeration. Middle readings indicate the need to start irrigation. High readings indicate very low levels of moisture inhibiting maximum plant growth. With each initial order a service unit is required. For use in field applications. Replaceable ceramic tip. Gauge readings 0-100 centibar.

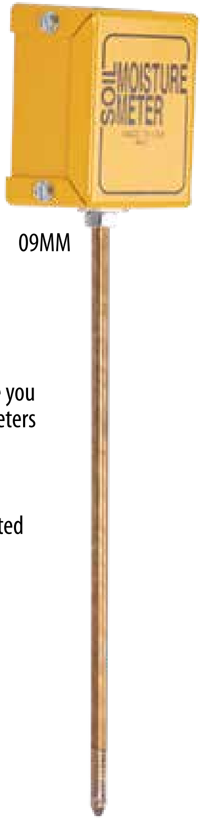
SR212 12" **$136.49**
SR218 18" **$140.89**



6" IRROMETER MOISTURE MONITOR FOR SOILLESS MIXES

Suited for conditions where rapidly changing moisture tensions needed to be observed! The Irrometer Miniature "LT" (Low Tension) instrument is designed for use in situations where tensions above 30 centibars (kilopascals) are rarely expected, and where finer resolution near saturation is needed.

MLT6 $125.89



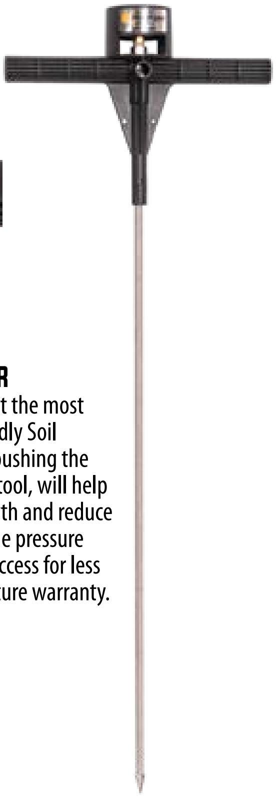
09MM

SOIL MOISTURE METERS

The scientific way to water! Accurate instruments give you instant moisture readings from 0 (dry) to 10 (wet). Meters must be calibrated to the soil type for reliable results (calibration instructions included).

24″ probe – Instant, easy-to-read display. Top mounted meter. Uses AA batteries, included.
Ship wt .5 lb.
24MM $120.28 3+ $118.38 6+ $117.20

9″ probe – As above, in a handy 9″ probe length. Ideal for potted plants! Ship wt .5 lb.
09MM $113.49 3+ $111.80 6+ $110.74



DICKEY-JOHN® SOIL COMPACTION TESTER

The simplest way to measure soil compaction. Get the most from your soils with the cost-effective, user-friendly Soil Compaction Tester from DICKEY-john. By simply pushing the tester into the ground, this convenient, practical tool, will help you find problem areas that can inhibit root growth and reduce yields. Just check the gauge to find readings of the pressure required to penetrate your soil. Maximize your success for less with the Soil Compaction Tester. 1-year manufacture warranty. Ship wt 5 lb.

- 3/4″ and 1/2″ interchangeable tips
- Stainless steel rod
- Depth marks: 3″, 6″, 9″, 12″, 15″, 18″
- Easy to read color-coded stainless-steel dial

SCT100 $345.76

JUMBO EASY READ RAIN GAUGE

Oversized 20″ tube measures rainfall from a slight sprinkle to 5″; unique funnel design calibrated so 1″ of rain raises the float over 4″! Durable, high impact plastic. Easy reading up to 50′ away! Ship wt .6 lb.

1102RG
$17.49
3+ $17.03
6+ $16.75

RAIN GAUGE EASY TO READ WATERFALL

The Waterfall Rain Gauge easily hangs on a deck or porch railing or a fence. Large digits marked in inches, bold measurement lines and vibrant red floating marker ensure accurate reading even from a distance. The clear rain collection vessel slides on and off the mounted bracket, making it simple to empty or clean. Measures 8.45″ L x 3.5″ W x 8″ H.

WFRG $10.50

BASIC RAIN GAUGE

Measures up to 6″ or 127 mm, mountable in ground or on post. Rugged one-piece molded polystyrene, 12-1/2″ length. Ship wt .5 lb.

2702G $3.57

GET A CLOSER LOOK

MOBILE PHONE CLIP-ON MICROSCOPE

Turn your phone into a microscope!

This compact, lightweight 60X microscope can be clipped onto cellphones that are equipped with a camera. It is used for viewing very small objects and areas. It is especially recommended for gardening and plant health examinations such as pest and disease assessments. The clip can also be unscrewed from the focusing barrel and lens so that the microscope can be used independently of a mobile phone if necessary. Ship wt .1 lb.

AEM60C $12.49 3+ $12.26 6+ $12.12

FOLDING POCKET MAGNIFIERS

Bausch & Lomb's all purpose folding pocket magnifiers allow for use of single lens power, or combine lenses for a higher power. These magnifiers will help you identify plant pests and disease. Magnifiers utilize optical quality glass lenses that fold easily into their protective case for storage. 5x - 20x (3 Lenses). Focal distance: 2″ to 1/2″. Ship wt .5 lb.

812367 $36.89 3+ $35.95 6+ $35.36

LIGHTSCOUT
DLI 100
GREENHOUSE
Daily Light Meter
Spectrum Technologies, Inc.

DAILY LIGHT INTENSITY METER

Know the intensity and duration of PAR your plants are getting per square meter throughout the greenhouse. An affordable, first step in measuring light that the plant can actively use for photosynthetic processes. With simple one button operation, this meter displays real-time light intensity levels every 4 seconds, and calculates the Daily Light Integral (DLI) for 24 hours. Ship wt .25 lb.

DLI100-GH $94.47 3+ $91.76 6+ $90.07

LIGHTSCOUT
QUANTUM LIGHT METER

QUANTUM PAR LIGHT METER

Be sure your plants are getting the right amount of usable light. Measure the valuable light that is key for photosynthesis in your plant. The Quantum PAR Light Meter measures photosynthetically active radiation (PAR) from 400 to 700 nanometers and has a range of 0 to 2,000 µmol•m-2•s-1. Use this Quantum PAR Meter in your greenhouse or hydroponic growing operations and ensure the best light environment for your plants to grow successfully. Ship wt .45 lb.

PARQT1 $288.73 3+ $280.18 6+ $274.84

KESON

RAPID TALLY COUNTER

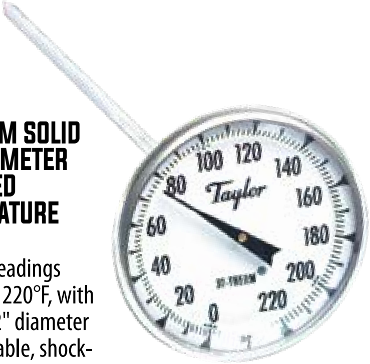
Quick single unit tally with rapid count action, reset knob! Chrome case and finger loop for comfort and security. Makes inventory counting go so much faster. Counts to 9999. Ship wt .3 lb.

EHTC $15.89 3+ $15.42 6+ $15.12

TIP-N-MEASURE JUGS "NO SPILL", SAFE WAY TO POUR CHEMICALS

Tip-N-Measure makes measuring the correct amount safe and easy. To use, just fill the jug with the desired chemical, secure caps, tip to fill the measuring area to the correct quantity and pour. Jugs are available in gallon, half gallon, and quart sizes. Ship wt .5 lb.

Item	Size	Capacity	Price	3+	6+
TNM32	Quart	Up to 4 oz	**$11.65**	**$11.28**	**$11.04**
TNM64	Half Gallon	Up to 4 oz	**$13.23**	**$12.81**	**$12.54**
TNMG	Gallon	Up to 8 oz	**$17.68**	**$17.11**	**$16.76**



TAYLOR BI-THERM SOLID THERMOMETER EXTENDED TEMPERATURE RANGE

Accurate readings from 0° to 220°F, with big, bold 2" diameter scale! Durable, shock-proof stainless steel case, pointed 8" stem. Re-calibration adjustment nut.

6215T $26.69 3+ $26.43 6+ $26.27

TAYLOR BI-THERM SOIL THERMOMETER

Planting at the proper soil temperature helps ensure higher germination rates and increases your plant's odds of survival. Check your temp using the 4" probe of this soil thermometer. Provides precise readings from 20° to 180°F. Easy-to-read 2" dial. Rust-free aluminum casing. One year manufacturer's warranty.

5976T $10.46 3+ $10.20 6+ $10.04

SOIL THERMOMETER WITH PROBE SHEATH

Weather resistant 7" stainless steel stem is the perfect instrument to tell you when the soil temperature is at optimal conditions for planting seedlings and seeds. Measures temperatures 0° - 220°F. Includes a nice protective probe sheath with pocket clip. Bold easy-to-read numbers. Limited 1 year warranty. Ship wt .5 lb.

00661 $8.58 3+ $8.40 6+ $8.29

SEND READINGS DIRECTLY TO YOUR SMARTPHONE!

CARTAS
Bluetooth

NEW PLOTT CARTA 12.5" MEASURING WHEEL

Carta delivers state of the art real time mapping and measuring - displayed directly on your smartphone. Wheel along the edges of an area to measure any curved or freeform shape. Carta instantly derives square footage, cubic yards/feet, perimeter data, etc. Optional marking spray attachment (#CARTAPS)allows you to mark the property physically as you map it out digitally on your phone.

Wheel Only

CARTA	**$346.49**	**3+ $341.07**	**6+ $337.69**

Wheel & Sprayer

CARTAS	**$377.49**	**3+ $371.54**	**6+ $367.81**

Sprayer Only

CARTAPS	**$42.49**

LIFETIME WARRANTY

LEONARD 25' POWER BLADE TAPE MEASURE

Our Leonard Brand Power Blade Tape Measure is packed with features demanded by today's trade professionals. The 1-1/16" wide Power Blade tape offers stand out up to 9'! While the self locking feature makes for easy extension of the tape. Simple thumb push button release returns the tape to the heavy duty ABS case. Rugged yet light and compact ABS case protects our tape measures in the toughest environments. Our tapes also feature a dual end hook and large read numbers front and back. With a high-vis yellow blade on front, the backside of the tape is printed for easy reading during vertical measurements. Ship wt 1.1 lb. **Lifetime Warranty.**

ASL25	**$19.91**	**5+ $19.56**	**10+ $19.35**

DIAMETER TAPE

Combination diameter tape with pocket ruler for measuring trees! Measures up to 23" diameter in 64ths. 6' x 3/8" blade. Plastic case approximately 1-7/8" diameter, 5/8" thick.

LDT6	**$16.89**	**3+ $16.54**	**6+ $16.32**

LEONARD PLASTIC POCKET CALIPER

Our own handy calipers measure in inches. Large 7" capacity, 1/4" scale. Sturdy, lightweight plastic construction with easy-read black numerals. Ship wt .5 lb. **Made in the USA.**

PPC	**$10.49**	**5+ $10.15**	**10+ $9.94**

WANT YOUR OWN BRAND OF TREE CALIPERS? We'll make them for you. Double sided, one color printed logo. Priced each, minimum order 250 - Call for pricing. Scale Markings Colors: Black, White, Silver, Gold.

PPCD	**CALL FOR PRICING**

KESON
Folds for easy storage

KESON PROFESSIONAL WHEEL

Tough enough to handle any terrain. The center balanced, 3/4" steel frame makes it one of the toughest wheels out there! Easy and comfortable to use even in the harshest field conditions. Large numbers make for easy reading. Folds in half for easy storage and portability. Ship wt 7 lb.

MP301	3'	**$179.49**	**3+ $176.94**	**6+ $175.34**
MP401	4'	**$197.89**		

KOMELON OPEN REEL 1/2" FIBERGLASS MEASURING TAPES

Komelon engineered their Open-Reel Measuring Tapes for both accuracy and durability. These reels feature a heavy-duty ABS plastic frame and a durable folding, rubberized handle. These tapes feature easy-to-read numbers and a ring-end hook and claw. Their Open-Reel measuring tapes survive even the most rugged job sites! Komelon Open-Reel Measuring Tapes are perfect for anyone that needs precise measurements over long distances. They are ideal for contractors, construction crews, and other landscaping professionals.

100B	100'. Ship wt 2.5 lb	**$23.39**	**3+ $22.82**	**6+ $22.47**
200B	200'. Ship wt 3.25 lb	**$37.98**	**3+ $36.98**	**6+ $36.35**

12” Available in PRO set only.

STABILA TYPE 80 AS 2 SPIRIT LEVEL PRO SET

STABILA Type 80 AS-2 Spirit Levels feature a rib-reinforced aluminum frame. The measuring surfaces have a protective coating to protect delicate surfaces and has integrated anti-slip stoppers and plastic end caps. Choose your desired length below. STABILA Levels provide accurate results in any position. They boast a top read accuracy of ±1/32” over 72” and a bottom read accuracy of ±3/64” over 72”. STABILA vial and installation technology ensure accuracy and allow for a long service life. Type 80 AS-2 Spirit Levels are the perfect combination of accuracy, reliability, and price. The STABILA Type 80 AS-2 Spirit Level Pro Set includes: (1) STABILA Type 80 AS-2 12”Spirit Level, (1) STABILA Type 80 AS-2 24” Spirit Level and (1)z STABILA Type 80 AS-2 48” Spirit Level, with a carrying case. **Lifetime warranty.**

Item	Length	Price	3+	6+
S80AS-24	24”	**$73.89**	**$71.96**	**$70.75**
S80AS-48	48”	**$96.26**	**$94.33**	**$93.12**

SMART LEVEL PRECISION CONSTRUCTION ALTIMETER

Smart Leveler's new Construction Altimeter delivers fast, easy and accurate readings even around obstructions. Unlike rotary lasers, it requires no clear line of site to read an elevation. With 100’ of tubing, this level offers a 200’ working diameter. This versatile altimeter is perfect for a wide range of applications encountered in everyday Construction, Hardscaping, Excavating, and Landscaping. There is no elaborate setup to start or complicated break down when finished, and there is much less math involved compared to using a rotary laser. This level reads up to 30 vertical feet and is accurate within +/- 1/10th (0.1) of an inch! The Smart Level now features Auto Zero and allows the reference point to be easily set. The LCD display now has a backlight for reading in dim conditions. With flexible increments, elevations can be read in feet/inches (fraction), inches (fraction), inches (decimal), and centimeters (decimal). The Range feature allows the user to pick a margin of error and the LED will indicate high or low when out of range. One tough level, the Smart Level is shock, stress, and water resistant. This durable altimeter never needs recalibrated. If the tube is damaged, the Smart Leveler can be quickly and easily repaired on the spot with common tools. Comes with hard-shell carrying case and telescoping monopod. Backed by a 2 year warranty against manufacturer defects. **Made in the USA!** Ship wt 19.4 lb.

6235200 **$999.54**

THE INDUSTRY’S FAVORITE LEVEL!

STABILA® TYPE 196 LEVEL

The STABILA® 196 level is dependable, accurate and made for those who need their tools to work even under extremely demanding conditions and need to measure at all positions. With easy to read vials made of block acrylic glass and firmly epoxy locked in the frame they will not leak, break, fog, or need recalibrated. The frame is made from a rib reinforced, strong aluminum for stability, all while being light weight. Rubberized hand grips allow you to have a secure and comfortable hold. Shock absorbing endcaps protect the frame when dropped and slipping on walls but are removable when needed for exact positioning and marking right into corners. In three sizes: 24”, 36”, and 48”.

Item	Length	Ship wt	Price	3+	6+
S196-24	24”	1.5 lb	**$107.44**	**$105.59**	**$104.43**
S196-36	36”	2.05 lb	**$130.89**	**$129.15**	**$128.07**
S196-48	48”	2.65 lb	**$169.49**	**$167.14**	**$165.68**

STABILA R TYPE 300 LEVELS

Unlike any other level on the market!

This STABILA R-Type 300 Level features a five-chamber, R-shaped profile. This profile provides you with a standard and an extra-wide measuring surface. This 48” long level has three straight edges and a continuous finger grip that runs the entire length of the tool. STABILA finishes this tool with removable, shock-absorbing end caps. STABILA R-Type 300 Levels are a progressive alternative to traditional rectangular levels. STABILA vials and installation technology give these levels a certified accuracy of ±1/32” over 72”. The three straight edges make marking, cutting, and smoothing easier than ever. An extra-wide measuring surface prevents the level from tipping over during use. These levels are easy to clean, so they will always be ready for the next job! R-Type 300 Levels are unlike any other level on the market. STABILA designs them for the most demanding job sites. They are lightweight yet twist resistant and incredibly durable. Shock-absorbing end caps provide additional protection from slips and drops. You can remove these caps when you need exact position and marking right into corners.

SRB-48	48”	**$181.49**	**3+ $178.52**	**6+ $176.66**
SRB-72	72”	**$271.89**	**3+ $267.46**	**6+ $264.69**

FERTILIZERS & TREATMENTS

CONTROLLED RELEASE FERTILIZERS

PRODUCT	APPLICATION RATE	ANALYSIS	ORDER INFO
	OSMOCOTE 14-14-14 Broadcast: 7-21.5 lb per 1,000 sq ft. Incorporation: 3.5-13 lb per cu yd. Topdress: 8-28 g per gal container.	Nitrogen 14% Phosphorus 14% Potassium 14%	**3-4 month release time.** 50 lb bag. Staged to release consistently and efficiently. Formulated for annuals, perennials, and short term crops but can be used on all other plants. Ship wt 50 lb. **Broadcast, Incorporation, Topdress.** **14144 $125.78 3+ $123.07 6+ $121.37**
	OSMOCOTE 15-9-12 Incorporation: 3-12 lb per cu yd. Broadcast: 7-20 lb per 1,000 sq ft. Topdress: 6-26 g per gal container.	Nitrogen 15% Phosphorus 9% Potassium 12% Magnesium 1.3% Sulfur 5.9%, Boron 0.02% Copper 0.05% Iron 0.46% Manganese 0.06% Molybdenum 0.02% Zinc 0.05%	**3-4 month release time.** 50 lb bag. For use in greenhouse, nursery and foliage production, container gardens, interiorscapes and landscapes. Ideal for annuals, perennials, and short term crops. Ship wt 50 lb. **Broadcast, Incorporation, Topdress.** **159123 $136.45 3+ $133.41 6+ $131.50**
	OSMOCOTE 19-6-12 Broadcast: 5-16 lb per 1,000 sq ft. Incorporation: 3-9.5 lb per cu yd. Topdress: 6-21 g per gal container.	Nitrogen 19% Phosphorus 6% Potassium 12%	**3-4 month release time.** 50 lb bag. Staged to release consistently and efficiently. Perfect for short term foliage plants. Ship wt 50 lb. **Broadcast, Incorporation, Topdress.** **19612 $143.45 3+ $139.74 6+ $137.43**
	OSMOCOTE PLUS 15-9-12 Broadcast: 13-33 lb per 1,000 sq ft. Incorporation: 8.5-18 lb per cu yd. Topdress: 18-39 g per gal container .	Nitrogen 15% Phosphorus 9% Potassium 12% Magnesium 1.3% Sulfur 6% Boron 0.02% Copper 0.05% Iron 0.46% Manganese 0.06% Molybdenum 0.02% Zinc 0.05%	**5-6 month release time.** 50 lb bag. For use in greenhouse, nursery and foliage production, container gardens, interiorscapes and landscapes. Ideal for perennials, short growing areas. Ship wt 50 lb. **Broadcast, Incorporation, Topdress.** **159125 $129.50 3+ $127.09 6+ $125.59**
	OSMOCOTE PLUS 15-9-12 Broadcast: 13-33 lb per 1,000 sq ft. Incorporation: 8.5-18 lb per cu yd. Topdress: 18-39 g per gal container.	Nitrogen 15% Phosphorus 9% Potassium 12% Magnesium 1.3% Sulfur 5.9% Boron 0.02% Copper 0.05% Iron 0.46% Manganese 0.06% Molybdenum 0.02% Zinc 0.05%	**8-9 month release time.** 50 lb bag. Recommended for use when growing a wide variety of crops. For use in greenhouse, nursery and foliage production, container gardens, interior scapes and landscapes. Ship wt 50 lb. **Broadcast, Incorporation, Topdress.** **159128 $140.50 3+ $137.34 6+ $135.37**
	OSMOCOTE 18-6-12 Broadcast: 11-28 lb per 1,000 sq ft. Incorporation: 7-15 lb per cu yd. Topdress: 15-32 g per gal container.	Nitrogen 18% Phosphorus 6% Potassium 12%	**8-9 month release time.** 50 lb bag. Staged to release consistently and efficiently. Ideal for greenhouse and container nursery stock. Also ideal for propagation and fall feeding. Ship wt 50 lb. **Broadcast, Incorporation, Topdress.** **18612 $138.45 3+ $135.33 6+ $133.37**
	OSMOCOTE BLEND 19-5-8 Broadcast: 10.5-26.5 lb per 1,000 sq ft. Incorporation: 7-14 lb per cu yd. Topdress: 15-30 g per gal container.	Nitrogen 19% Phosphorus 5% Potassium 8% Magnesium 1.4% Sulfur 8% Copper 0.05% Iron 0.9% Manganese 0.34% Zinc 0.11%	**8-9 month release time.** 50 lb bag. Blended with micro nutrients and other fertilizer technologies, to deliver nutrition consistently within specified longevities. For use on nursery stock, foliage and landscapes. Ship wt 50 lb. **Broadcast, Incorporation, Topdress.** **1958 $134.10 3+ $130.59 6+ $128.40**

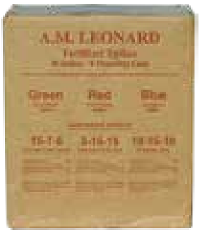
CONTROLLED RELEASE FERTILIZERS

PRODUCT	APPLICATION RATE	ANALYSIS	ORDER INFO
	FLORIKAN ALUMINUM SULFATE Incorporation: 8-12 lb per cu yd. Topdress: 20-30 g per gal container. **Intensifies Blue Color in Hydrangeas!**	Sulfur 12%	A polymer coated aluminum sulfate to lower pH in soils and soilless media. This product will also intensify the blue flower color in macrophylla hydrangeas. Two formulations available (3-4 month or 6 month release times). 50 lb bag. **Incorporation, Topdress.** 3-4 month **FLKALS04 $141.85 3+ $137.31 6+ $134.47** 6 month **FLKALS04180 $158.90 3+ $153.82 6+ $150.64**
	FLORIKAN 12-4-11 Broadcast: 5-7 lb per 1,000 sq ft. Incorporation: 3-11 lb per cu yd. Topdress: 5-15 g per gal container.	Nitrogen 12% Phosphorus 4% Potassium 11% Calcium 5.80% Magnesium 1.2% Sulfur 6% Copper 0.05% Iron 0.6% Manganese 0.10% Zinc 0.06%	**Calcium to prevent boxwood blight. 5-6 month release time.** 50 lb bag. 100% polymer coated fertilizer and is designed specifically for crops desiring long term calcium such as boxwood. With a unique level of polymer coated calcium nitrate, it will provide the essential nutrients for the entire crop cycle eliminating the "halo effect". Ship wt 50 lb. **Broadcast, Incorporation, Topdress.** **FLK12411180 $144.40 3+ $139.78 6+ $136.89**
	FLORIKAN 18-5-12 Broadcast: 7-10 lb per 1,000 sq ft. Incorporation: 4-13 lb per cu yd. Topdress: 5-20 g per gal container.	Nitrogen 18% Phosphorus 5% Potassium 12% Magnesium 0.8% Sulfur 4.9% Copper 0.05% Iron 1.06% Manganese 0.05% Zinc 0.05%	**4-5 month release time.** 50 lb bag. Intended as a topdress but can also be incorporated for woody ornamentals, trees and perennials. 19% uncoated fertilizer for quick growth and green-up. Ship wt 50 lb. **Broadcast, Incorporation, Topdress.** **FLK18512140 $132.90 3+ $128.65 6+ $125.99**
	FLORIKAN 20-4-9 Broadcast: 9-13 lb per 1,000 sq ft. Incorporation: 6-17 lb per cu yd. Topdress: 10-25 g per gal container.	Nitrogen 20% Phosphorus 4% Potassium 9% Magnesium 1.4% Sulfur 4.2% Copper 0.06% Iron 1.78% Manganese 0.13% Zinc 0.06%	**6-8 month release time.** 50 lb bag. Longer term product that contains 85% polymer-coated fertilizer as well as uncoated for early, midterm and long term feeding. This product is formulated for woody ornamentals, trees, shrubs, vines and perennials. Ship wt 50 lb. **Broadcast, Incorporation, Topdress.** **FLK2049180 $138.50 3+ $134.07 6+ $131.30**
	FLORIKAN MICRO PACKAGE Broadcast: 0.91-2.27 lb per 1,000 sq ft. Incorporation: 0.68-2.27 lb per cu yd. Topdress: 5-15 g per gal container.	Calcium 5% Magnesium 10.2% Sulfur 15.5% Copper 0.45% Iron 5.3% Manganese 1.05% Zinc 0.74% Boron 0.05%	**4-5 month release time.** 50 lb bag. Completely uncoated fertilizer that maximizes plant growth by increasing micro-nutrients in the root zone. May be used to complement fertilizers with just NPK or also to increase the micro-nutrient availability of standard fertilizers. Ship wt 50 lb. **Broadcast, Incorporation, Topdress.** **FLKMIV $59.75 3+ $58.61 6+ $57.89**
	FLORIKAN 14-14-14 Broadcast: 6-9 lb per 1,000 sq ft. Incorporation: 4-15 lb per cu yd. Topdress: 5-25 g per gal container.	Nitrogen 14% Phosphorus 14% Potassium 14% Sulfur 5.5%	**3-4 month release time.** 50 lb bag. 100% polymer coated fertilizer and is formulated for greenhouse crops but can be used on all other plants. Combine with **FLKMIV** for micronutrients and minor elements. Ship wt 50 lb. **Broadcast, Incorporation, Topdress.** **FLK141414090 $128.20 3+ $124.10 6+ $121.53**
	FLORIKAN 17-5-11 Broadcast: 7-10 lb per 1,000 sq ft. Incorporation: 4-13 lb per cu yd. Topdress: 5-20 g per gal container.	Nitrogen 17% Phosphorus 5% Potassium 11% Magnesium 1% Sulfur 5.5% Iron 0.5% Manganese 0.05% Zinc 0.05%	**4-5 month release time.** 50 lb bag. Staged to release consistently and efficiently this product is formulated for woody ornamentals and trees but can be used on all other plants. Ship wt 50 lb. **Broadcast, Incorporation, Topdress.** **FLK17511140 $122.40 3+ $118.48 6+ $116.04**

FERTILIZER TABLETS

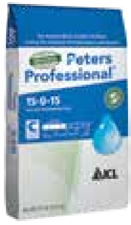
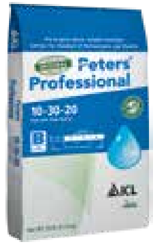
PRODUCT	APPLICATION RATE	ANALYSIS	ORDER INFO
	LEONARD PLANTING TABLETS 20-10-5 Container: 20 g per 1 gal. New/Established: 20-40 g per 12-18" of plant spread or height.	Nitrogen 20% Phosphorus 10% Potassium 5% Chlorine 1% Magnesium 0.22% Manganese 0.2% Calcium 1% Sulfur 1.7% Iron 1.25% Zinc 0.18%	**2 year release time, 3 sizes available.** Targets new landscape plantings, established landscapes and containerized trees and shrubs. Ship wt 24 lb. **Planting, Starter, Topdress.** **LPT10** 10g Qty 1,000 **$111.90 3+ $108.32 6+ $106.08** **LPT21** 21g Qty 500 **$99.70 3+ $96.51 6+ $94.52**
	LEONARD STARTER TABLETS 12-17-17 Container: 12-24g per 1 gal. New/Established: 20-40g per 12-18" of plant spread or height.	Nitrogen 12% Phosphorus 17% Potassium 17% Chlorine 1% Magnesium 0.22% Manganese 0.2% Iron 1.25% Zinc 0.18% Calcium 1% Sulfur 1.7%	**1 year release time.** 12g tablets, 875 ct. Provides the nutrients for the first year of a plant's growth. Good for new plantings of bare root or balled and burlaped trees and shrubs. Ship wt 24 lb. **Planting, Starter, Topdress.** **LST12 $133.00 3+ $128.74 6+ $126.08**
	LEONARD CONTAINER TABLETS 14-4-6 Container: 12-24g per 1 gallon.	Nitrogen 14% Phosphorus 4% Potassium 6% Chlorine 1% Calcium 1.1% Sulfur 2.1% Iron 0.62%	**3-4 month release time, 2 sizes available.** For top dressing of containerized plants. Watering cycles break down tablets to disperse over time. Ideal for climates with shorter growing seasons, where long-span fertilization is not needed. **Planting, Topdress.** 3g tablets, 4,400 ct. Ship wt 30 lb **3GCT $157.65 3+ $153.49 6+ $150.90** 12g tablets, 900 ct. Ship wt 25 lb **12GCT $131.15 3+ $126.95 6+ $124.33**
	LEONARD ORCHARD STARTER 28-8-4 Orchard Tree: 1 tab per 1/2" trunk diameter. Vines/Bushes: 1 tab per 1/2" trunk diameter.	Nitrogen 28% Phosphorus 8% Potassium 4% Chlorine 1% Iron 1.25% Zinc 0.27% Calcium 1.1% Sulfur 1.4%	**2 year slow release**. 19g tablets, 500 ct. Formulated for established orchard fruit, nut trees, and established vines and bushes. Ship wt 24 lb. **Planting, Incorporation, Starter.** **ORST $85.75 3+ $83.51 6+ $82.11**
	LEONARD FOREST STARTER 22-8-2 1 tablet per seedling.	Nitrogen 22% Phosphorus 8% Potassium 2% Chlorine 1% Calcium 1.1% Sulfur 1.4% Iron 1.25% Zinc 0.27%	**2 year slow release.** 9g tablets, 1,000 ct. Formulated for young seedlings and bare root plantings. Ship wt 21 lb. **Planting, Starter.** **FOST $110.55 3+ $107.01 6+$104.80**
	AGRIFORM PLANTING TABLETS **Rate:** 10 gram (1 to 2 tablets per plant), 21 gram (1 per gal container).	Nitrogen 20%, Phosphorus 10%, Potassium 5%, Calcium 3%, Magnesium 0.7%, Sulfur 2%, Boron 0.04%, Copper 0.05%, Iron 0.5%, Maganese 0.07%, Zinc 0.05%.	**2 Year Formula, 2 sizes available.** Engineered to help deliver bigger, greener plants. Composed of water soluble nutrients. 10g tablets, 1,000 ct. Ship wt 24 lb **10GPT $114.90 5+ $111.24 10+ $108.96** 21g tablets, 500 ct. Ship wt 24.25 lb **21GPT $94.15 5+ $91.56 10+ $89.94**

FERTILIZER STAKES

PRODUCT	APPLICATION RATE	ANALYSIS	ORDER INFO
	LEONARD TREE FERTILIZER STAKE 10-10-10 3 stakes per every 2" of trunk diameter.	Nitrogen 10% Phosphorus 10% Potassium 10%	40 stakes per box. Contains all the essential nutrients your trees need to maintain proper health. Great general-purpose fertilizer for Evergreens and general use. Ship wt 12 lb. **Planting, Starter.** **1775E $53.55 3+ $51.84 6+ $50.77**
	LEONARD TREE FERTILIZER STAKE 15-7-6 3 stakes per every 2" of trunk diameter.	Nitrogen 15% Phosphorus 7% Potassium 6%	40 stakes per box. Contains all the essential nutrients your trees need to maintain proper health. Great general-purpose fertilizer for deciduous trees and shrubs. Ship wt 12 lb. **Planting, Starter.** **1791T $54.45 3+ $52.71 6+ $51.62**
	LEONARD IRON CHLOROSIS 5-3-3 STAKE Trees: 1 stake per inch of trunk dia. Shrubs: 1 stake per 2' of plant height or spread.	Nitrogen 5% Phosphorus 3% Potassium 3% Sulfur 4.8% Iron 16% Manganese 20%	High quality, slow release micronutrient supplement used for treating Yellowing Chlorosis in trees & Shrubs. 10 pack. Ship wt 3 lb **FES10 $20.90 3+ $20.34 6+ $20.00** 40/box. Ship wt 14 lb **FES40 $68.00 3+ $66.04 6+ $64.81**
	LEONARD MANGANESE 4-0-0 STAKE 1 spike around dripline every 3.5'-4'.	Nitrogen 4% Manganese 20% Sulfur 16%	Formulated for Maples, River Birch & other Manganese deficient trees & shrubs. 10 pack Ship wt 3.5 lb **MNS10 $17.95 3+ $17.63 6+ $17.43** 40/box Ship wt 13 lb **MNS40 $54.25 3+ $53.29 6+ $52.69**
	LEONARD GENERAL PURPOSE + MINORS 8-10-10 3 per 4" of trunk diameter.	Nitrogen 8% Phosphorus 10% Potassium 10% Sulfur 4.8% Iron 3.3% Manganese 3.2%	High quality, slow release micronutrient supplement used for trees, shrubs, evergreens, fruits and citrus. 10 pack Ship wt 3 lb **ULS10 $18.45 3+ $18.12 6+ $17.92** 40/box Ship wt 14 lb **ULS40 $68.80 3+ $66.77 6+ $65.51**
	**LEONARD TREE FERTILIZER STAKE 8-16-16** 3 stakes per every 2" of trunk diameter.	Nitrogen 8% Phosphorus 16% Potassium 16%	40 stakes per box. Contains all the essential nutrients your trees need to maintain proper health. Great fertilizer for fruit or ornamental trees. Ship wt 12 lb. **Planting, Starter.** **1812F $60.60 3+ $58.66 6+ $57.45**

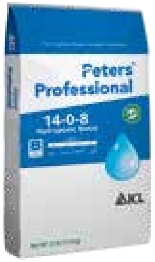
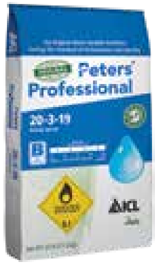
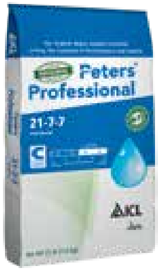
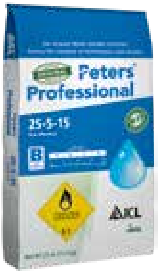
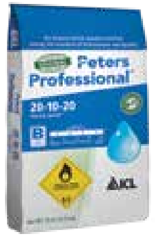
WATER SOLUBLE FERTILIZERS

Peters Professional fertilizers are the world's leading, fully water-soluble fertilizers. Thanks to its exclusive M-77 chelating formula, Peters Professional assures that nutrients and trace elements remain readily available for fast and easy uptake. M-77 "unlocks" the rooting area, allowing an effective increase in the absorption of nutrients.

PRODUCT	ACIDITY / SOLUBILITY	ANALYSIS	ORDER INFO
	**DARK WEATHER FEED 15-0-15** 221 Potential Acidity (A)/Basicity (B), Maximum Solubility (5 lb/gal), Conductivity per 100ppm N (0.71 mS/cm). 1 lb of fertilizer + 100 gallons of water = 179.8 ppm N. (See label for additional information).	Nitrogen 15% Potassium 15% Calcium 5% Magnesium 2% Iron 0.075% Manganese 0.03% Zinc 0.0375%	25 lb bag. Dark Weather Feed is a great fertilizer with a classic high–nitrate formula. It's made for bulbs or crops that require extra magnesium, calcium, lower phosphate and slightly higher growing media pH. This fertilizer is ideal to use for water types 1 and 2 and offers a full range of micronutrients. Ship wt 25 lb. **Foliar, Fertigation, Hydroponic.** **G15015 $52.65 3+ $51.88 6+ $51.40**
	CALMAG FERTILIZER 1518 Potential Acidity (A)/Basicity (B), Maximum Solubility (4 lb/gal), Conductivity per 100ppm N (0.52 mS/cm). 1 lb of fertilizer + 100 gallons of water = 251.7 ppm N. (See label for additional information).	Nitrogen 15% Phosphorus 5% Potassium 15% Calcium 5% Magnesium 2% Boron 0.0187% Copper 0.0187% Iron 0.075% Manganese 0.0375% Molybdemum .0075% Zinc 0.0375%	With an N:K ratio that will boost growth, CalMag Grower is a unique product specially formulated for soft water. Your plants will benefit from a continuous supply of calcium and magnesium, ensuring they're a riot of color. It's full of high-quality raw materials and chelated trace elements, so you can rely on it every time. The M-77 chelating complex ensures maximum availability and absorbability. Ship wt 25 lb. **G15515 $58.15 3+ $56.94 6+ $56.18**
	GENERAL PURPOSE 20-20-20 576 Potential Acidity (A)/Basicity (B), Maximum Solubility (3.5 lb/gal), Conductivity per 100ppm N (0.41 mS/cm). 1 lb of fertilizer + 100 gallons of water = 239.7 ppm N. (See label for additional information).	Nitrogen 20% Phosphorus 20% Potassium 20% Magnesium 0.05% Iron 0.05% Manganese 0.025% Zinc 0.025%	25 lb bag. Peters Professional General Purpose has a balanced NPK formula which contains 13% urea. It is particularly good to apply in the spring and summer months. It is acts as a foliar feed and encourages healthy plant growth. Ship wt 25 lb. **Foliar, Fertigation, Hydroponic.** **G202020 $66.65 3+ $65.44 6+ $64.68**
	MULTI PURPOSE 21-5-20 390 Potential Acidity (A)/Basicity (B), Maximum Solubility (4 lb/gal), Conductivity per 100ppm N (0.63 mS/cm). 1 lb of fertilizer + 100 gallons of water = 179.8 ppm N. (See label for additional information).	Nitrogen 21% Phosphorus 5% Potassium 20% Iron 0.1050% Manganese 0.0525% Zinc 0.0525%	25 lb bag. Peters Excel Multi Purpose fertilizer is a moderately acidic formulation that serves as an excellent all-purpose fertilizer for Types 2, 3 and 4 irrigation water. Contains a complete range of essential micronutrients. Ship wt 25 lb. **Foliar, Fertigation, Hydroponic.** **G21520 $52.90 3+ $52.16 6+ $51.70**
	**PEAT LITE SPECIAL PLANT STARTER 10-30-20** 365 Potential Acidity (A)/Basicity (B), Maximum Solubility (3.25 lb/gal), Conductivity per 100ppm N (0.86 mS/cm). 1 lb of fertilizer + 100 gallons of water = 119.8 ppm N. (See label for additional information).	Nitrogen 10% Phosphorus 30% Potassium 20% Magnesium 1.3% Iron 0.05% Manganese 0.025% Zinc 0.025%	25 lb bag. Peters Peat Lite Plant Starter/Blossom Booster has high phosphate levels and a N:K ratio of 1:2. This combination makes this the ideal product for improving bud formation and development. Ship wt 25 lb. **Foliar, Fertigation, Hydroponic.** **G103020 $77.80 3 + $76.49 6+ $75.67**
	PETERS PROFESSIONAL 24-8-16 726 Potential Acidity (A)/Basicity (B), Maximum Solubility (3 lb/gal), Conductivity per 100ppm N (0.45 mS/cm). 1 lb of fertilizer + 100 gallons of water = 287.6 ppm N. (See label for additional information).	Nitrogen 24% Phosphorus 8% Potassium 16% Magnesium 0.35% Iron 0.06% Manganese 0.03% Zinc 0.03%	25 lb bag. Peters 24-8-16 is a high quality water soluble fertilizer suggested for use on foliage plants. Optimal ammoniacal/nitrate nitrogen balance for foliage plants. Contains low amounts of boron. Moderate potential acidity makes it ideal for use in interiorscapes. May be used as a foliar feed as well. Ship wt 25 lb. **G24816 $67.60 3+ $65.60 6+ $64.36**

WATER SOLUBLE FERTILIZERS

Peters Professional fertilizers are the world's leading, fully water-soluble fertilizers. Thanks to its exclusive M-77 chelating formula, Peters Professional assures that nutrients and trace elements remain readily available for fast and easy uptake. M-77 "unlocks" the rooting area, allowing an effective increase in the absorption of nutrients.

PRODUCT	ACIDITY / SOLUBILITY	ANALYSIS	ORDER INFO
	**HYDROPONIC BOOST 14-0-8** 5.6 lbs/gal. 8 lbs 12 oz per 1,000 gallons of solution.	Nitrogen 14% Phosphorus 0% Potassium 8%	25 lb bag. Hydroponic boost is suitable for all water types and provides supplemental nitrogen, potash, calcium and magnesium - the elements most needed by hydroponic plants. **Use with G51126 for a complete nutrition program.** **PHB1408 $60.27 3+ $58.62 6+ $57.58**
Peters Professional 5-11-26 ICL	**HYDROPONIC SPECIAL 5-11-26** 215 Potential Acidity (A)/Basicity (B), Maximum Solubility (3 lb/gal), Conductivity per 100ppm N (1.45 mS/cm). 130 oz of fertilizer + 1,000 gallons of water = 50.0 ppm N. (See label for additional information).	Nitrogen 5% Phosphorus 11% Potassium 26% Magnesium 6% Iron 0.30% Manganese 0.05% Zinc 0.015%	25 lb bag. Designed exclusively for hydroponic culture, this classic formula is ideal for most hydroponic crops, especially tomatoes, cucumbers and lettuce. Effective for all Water Types. Buffered to help maintain acceptable working solution pH. **Use with PHB1408 for a complete nutrition program.** Ship wt 25 lb. **Foliar, Fertigation, Hydroponic.** **G51126 $91.10 3+ $88.18 6+ $86.36**
	**PETUNIA SPECIAL 20-3-19** Potential Acidity (404), Maximum Solubility (3.5 lb/gal), Conductivity (per 100ppm N (62 mS/cm). 1 lb of fertilizer + 100 gallons of water = 239.7 ppm N. (See label for additional information).	Nitrogen 20% Phosphorus 3% Potassium 19% Magnesium 1.35% Sulfer 2.5% Iron 0.29%	25 lb bag. A water-soluble fertilizer designed to contain double the iron found in typical peat-like formulations. Ship wt 25 lb. **Foliar, Fertigation, Hydroponic** **77770 $51.55 3+ $50.92 6+ $50.53**
	**ACID SPECIAL 21-7-7** 1518 Potential Acidity (A)/Basicity (B), Maximum Solubility (4 lb/gal), Conductivity per 100ppm N (0.52 mS/cm). 1 lb of fertilizer + 100 gallons of water = 251.7 ppm N. (See label for additional information).	Nitrogen 21% Phosphorus 7% Potassium 7% Magnesium 0.60% Sulfur 13% Iron 0.15% Manganese 0.05% Zinc 0.05%	25 lb bag. High potential acidity that offsets high water alkalinity or lowers pH levels in growing media. C (Customizing) component can be used with a variety of B (Base) formulations. Excellent choice for Water Types 3 and 4. Contains a full range of essential micronutrients and iron to promote greening. Ship wt 25 lb. **Fertigation, Hydroponic.** **G2177 $53.00 3+ $51.71 6+ $50.90**
	**HIGH EFFICIENCY 25-5-15** 593 Potential Acidity (A)/Basicity (B), Maximum Solubility (5.5 lb/gal), Conductivity per 100ppm N (0.57 mS/cm). 1 lb of fertilizer + 100 gallons of water = 301.9 ppm N. (See label for additional information).	Nitrogen 25% Phosphorus 5% Potassium 15% Iron 0.15% Manganese 0.075% Zinc 0.075%	25 lb bag. Water soluble fertilizer with a high efficiency formula designed to maximize your NPK delivery while keeping a balance of macro secondary and micronutrients for optimum plant growth. Best as a continuous feed for heavy feeding plants in moderate to warm temperatures. Can be used as a nutrient booster for great green-up. Ship wt 25 lb. **Foliar, Fertigation, Hydroponic.** **G25515 $59.10 3+ $57.73 6+ $56.87**
	**PEAT LITE SPECIAL 20-10-20** Potential Acidity (404), Maximum Solubility (3.5 lb/gal), Conductivity per 100ppm N (0.62 mS/cm). 1 lb of fertilizer + 100 gallons of water = 239.7 ppm N. (See label for additional information).	Nitrogen 20% Phosphate 10% Soluable Potash 20% Magnesium Boron Copper Iron Manganese Molybdenum Zinc	25 lb bag. Peters Professional 20-10-20 Peat-Lite Special is a versatile formula which can be used in year-around operations; acidifying action corrects excessive pH in growing media. It is effective for all water types and contains a full range of essential micronutrients; NPK and magnesium. Use on all greenhouse plants grown in peat-lite mixes. Ship wt 25 lb. **Foliar, Fertigation, Hydroponic.** **G201020 $59.40 3+ $58.17 6+ $57.40**

SOIL/WATER CONSERVATION

PRODUCT	APPLICATION RATE	ANALYSIS	ORDER INFO
	TERRA-SORB ™ WATER MANAGEMENT TOOL, HORTICULTURAL GRADE Tree/Shrub Planting: 2 oz per inch caliper, or 1 oz per 5 gal for containerized trees and shrubs. Flower Beds/Gardens: 1 lb per 100 sq ft. Sodding, Seeding/Sprigging: 3 lb per 1,000 sq ft, or 150 lb per acre. Containers/Hanging Baskets: 2 lb per cu yd of potting mix.	Potassium Polyacrylate 93% Water 7% *Water content is derived from atmospheric humidity absorbed during storage.	0.75-2mm in size. A remarkably efficient, super-absorbent co-polymer that absorbs 150 TIMES its weight in water, then releases it slowly, to reduce watering by 50% or more. It's a process that's repeated when water is reintroduced, over a period of 3-4 years! Non-toxic, non-hazardous to the environment, and compatible with fertilizer and other "Green Industry" chemicals. This horticultural grade has medium-sized particles for planting, seeding, sod, flower beds, and potting mixes. **Incorporation, Planting.** **01HGM** 11 lb **$113.75** **3+ $110.91** **6+ $109.14** **5HGM** 55 lb **$479.70** **3+ $469.58** **6+ $463.26**
	TERRA-SORB™ WATER MANAGEMENT TOOL, FINE GRADE Dipping Bare Root Plants: 1 lb per 20 gal water, dip and plant. Hydromulching/Hydroseeding: 50 lb per 3,000 gal water to cover 1 acre. Seedling Packing/Shipping: 1 lb per 20 gal water, dip and wrap.	Potassium Polyacrylate 93% Water 7% *Water content is derived from atmospheric humidity absorbed during storage.	0.1-0.75mm in size. A remarkably efficient, super-absorbent co-polymer that absorbs 150 TIMES its weight in water, then releases it slowly, to reduce watering by 50% or more. It's a process that's repeated when water is reintroduced over a period of 3-4 years! Non-toxic, non-hazardous to the environment, and compatible with fertilizer and other "Green Industry" chemicals. This grade has fine-sized particles for hydroseeding, injecting, and root dip-spray. **01FGT** 11 lb **$113.30** **3+ $110.62** **6+ $108.94** **5FGT** 55 lb **$495.30** **3+ $484.54** **6+ $477.81**
	SOIL MOIST FLOWER BED TRANSPLANT 1 oz for a 1 gallon pot or 5 oz per 1" caliper size.	Contains over 50 strains of beneficial bacteria and microbes, including Trichoderma, Endomycorrhizal Fungi	5 lb pail. Treats areas such as beds, trees, shrubs and containers before planting. Produces a natural growth hormone and enhances disease suppression. This formula is for endo-specific plants only. **SMFBT** **$40.43** **3+ $39.58** **6+ $39.05**
	SOIL MOIST TRANSPLANT 0.75 oz for a 1 gallon pot or 3 oz per caliper inch of tree.	A diverse blend of seven species of mycrorrhizae, adapted to a wide variety of plants and conditions	5 lb pail. Contains endo- and ecto-mycorrhiza, to inoculate shrubs and trees during planting time. Enhances the ability of the plant to access water and nutrients, which reduces stress and plant loss. **SMPT5** **$69.75** **3+ $67.98** **6+ $66.87**
	SOIL MOIST PLUS 7-7-7 GRANULAR 4 tsp per 10" pot, or 3 oz per caliper inch of tree	Nitrogen 7% Phosphorus 7% Potassium 7%	10 lb pail. We've all heard about moisture-holding polymers and their benefits to growers - including 50% less watering, more consistent growth, and reduced plant stress. Now Soil Moist has taken these polymers to the next level by creating quality blends that offer all of these advantages PLUS mycorrhiza, fertilizers, rooting hormones, beneficial fungi, vitamins, and more. **SMG10** 10 lb **$96.10** **3+ $93.29** **6+ $91.54** **SMG40** 40 lb **$321.98** **3+ $314.98** **6+ $310.61**
	SOIL MOIST 3 LB BULK JUG Treats hundreds of plants.	Synthetic Acrylic Polyacrylamide with a Potassium Salt Base.	Water storing polymer granular product. Reduces plant waterings by 50%. Ideal for all plantings. **JCD030SM** **$35.23** **3+ $34.33** **6+ $33.77**

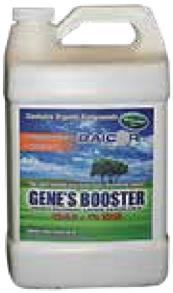
SOIL/WATER CONSERVATION

PRODUCT	APPLICATION RATE	ANALYSIS	ORDER INFO
	HYDRETAIN ES PLUS Turf: 9 oz per 1,000 sq ft (3 gallons per acre) every 3 months. Water in after application to ensure getting to root zone.	Humectant 54%	Combines root zone moisture management technology with an advanced environmentally sound, renewable resource, non-ionic surfactant for improved soil penetration. Significantly extending periods between required waterings for turf, ornamental plants, shrubs trees and agriculture. Hydretain ES Plus is biodegradable. 1 Quart RTU. Ship wt 3 lb. **HESP32 $33.15 3+ $32.38 6+ $31.90** 1 Gallon Concentrate. Ship wt 10 lb. **HESP1 $78.95 3+ $76.71 6+ $75.31**
	HYDRETAIN ES PLUS II Turf: 9 oz per 1,000 sq ft (3 gallons per acre, every 3 months). Water in after application to ensure getting to root zone.	Humectant 50%, Potassium Humate 4.6%	Combines root zone moisture management technology with an advanced environmentally sound, renewable resource, non-ionic surfactant for improved soil penetration. Significantly extending periods between required waterings for turf, ornamental plants, shrubs trees and agriculture. **This product is designed to be more effective in heavy clay soils then Hydretain ES Plus.** Potassium humate helps release the "glue" holding the soil particles together. 1 Quart. Ship wt 3 lb. **HESPH32 $34.45 3+ $33.79 6+ $33.38** 1 Gallon. Ship wt 10 lb. **HESPH1 $78.55 3+ $76.79 6+ $75.68**
	HYDRETAIN GRANULAR OC Turf: 2.7 lb per 1,000 sq ft (120 lb per acre) every 3 months. Water in after application to ensure getting to root zone.	Humectant 50%	Hydretain ES Plus Granular OC puts the power of Hydretain ES Plus in an easy-to-spread, environmentally friendly granule. It is convenient for dry spreader applications where liquid applications are impractical or labor intensive. Hydretain ES Plus Granular OC uses a rapidly releasing, biodegradable organic compost carrier to deliver the Hydretain ES Plus technology for all types of professional applications. **Topdress, Starter, Broadcast.** **HGOC15** 15 lb bag **$47.72 3+ $46.42 6+ $45.61** **HGOC40** 40 lb bag **$149.95 3+ $145.15 6+ $142.15**

ANTI-TRANSPARENTS

	MOISTURE LOC 2-20 parts to 100 parts water. 1 gallon makes 5 to 50 gallons of spray.	Helps to protect against damage from insects, disease, UV degradation, frost, windburn and acid rain.	Moisture-Loc Anti-Transpirant Spray is an environmentally friendly alternative to pesticides/fungicides, Moisture-Loc stops moisture loss during harvest, storage, shipping and transplanting. Safe and easy to use, with no danger of phytotoxicity, non-ionic. A dual-purpose clear liquid plant coating that forms a shield around plants; significantly reducing plant stress. 1 Gal. Ship wt 9 lb. **ML-G $79.95 3+ $77.39 6+ $75.79** 5 Gal. Ship wt 45 lb. **ML-5 $269.75 3+ $265.17 6+ $262.31**
	WILT-PRUF Transplanting/Drought Protection: 1 qt per 2.5 gal. Winter Protection: 2 qts per 2.5 gal. Spray until run-off and allow to dry before nighttime.	Organic, Biodegradable, Non-hazerdous	Keeps trees, shrubs, sod and indoor plants healthy - protects against plant damage due to winter kill, transplant shock, wind burn, drought and air pollution. This unique process produces an outside protective coating that weathers off, one layer at a time, providing lasting protection for about 2 months during summer heat conditions and 4 months during cold weather. 32 oz RTU. Ship wt 2.36 lb. **WPTS $17.54 3+ $17.07 6+ $16.77** 1 Qt Concentrate . Ship wt 2.25 lb. **WPQ $43.20 3+ $41.82 6+ $40.95** 1 Gal Concentrate . Ship wt 8.8 lb. **WPG $100.55 3+ $98.64 6+ $97.44** 5 Gal Concentrate . Ship wt 44.6 lb. **WP5 $462.75 3+ $453.60 6+ $447.89**

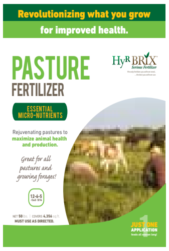
TURF FERTILIZERS

PRODUCT	APPLICATION RATE	ANALYSIS	ORDER INFO
	BLACK GYPSUM DG New seedings: 6-12 lb per 1,000 sq ft. Established lawns: 3-12 lb per 1,000 sq ft. Trees/Shrubs: 4.6-11.5 lb per 1,000 sq ft. Bulk mixes: 8-12 per cu yd.	Calcium Sulfate Dihydrate 48%, Calcium 12%, Sulfur 8.9%, Humic acid 21%	50 lb Bag. Black Gypsum DG is a combination of gypsum, humate and humic acid precursor. Black Gypsum DG delivers calcium, sulfur and humate (a rich source of carbon) directly to the soil utilizing our dispersing granule (DG) technology. The gypsum found in Black Gypsum DG is naturally chelated, supplying calcium without changing soil pH, and adding sulfur where needed. Acting as a soil conditioner, gypsum loosens hard packed soils and enhances the flushing of harmful salts and excess sodium. Ship wt 50 lb. **ASPGY10HUDGBK $59.90 3+ $57.98 6+ $56.79**
	HYR BRIX SOIL ALIVE 50 lb bag covers 5,000 sq ft. 9 bags cover 1 acre.	Nitrogen: 5% Phosphorus: 8% Potassium: 14% Calcium: 8% Sulfur: 9%	**5-8-14 +Ca8 +S9.** 50 lb bag. To feed your plants, you must feed the soil! Soil Alive Soil Amendment is a complete fertilizer product containing the necessary primary & secondary macronutrients, micronutrients, and humic acids. Soil Alive will replace the critical elements that have been depleted over time. This will lead to a boost in the photosynthesis process, help to aerate soil, relieve soil compaction, and will enhance microbial activity. As a result, Soil Alive will also work to release nutrients that are tied up in the soil. Ship wt 50 lb. **Broadcast.** **SA50 $70.20 3+ $67.96 6+ $66.57**
	FERROMEC AC LIQUID IRON WITH 15% NITROGEN FOLIAR SPRAY Turfgrass: 0.5 to 4 gallons per 1,000 sq ft. (See label for use with herbaceous plants, shrubs, and trees) Between 2 teaspoons and 4 tablespoons to make 1 gallon of spray.	Nitrogen 15% Sulfur 3% Iron 6%	2.5 Gallon Jug. This Ferromec AC Liquid Iron with nitrogen will quickly greenup turf and ornamentals in 12 to 48 hours. A great spray to speed up recovery from dormancy, and a fast way to correct iron chlorosis in herbaceous plants, shrubs and trees. When used as recommended, this is a non-burning spray that is designed to produce rapid greenup. The AC stands for amine-compatible: a formula that is buffered to avoid problems when mixing with herbicides or fertilizers. The urea used carries iron sulfate into the plant quickly. Although stable in the solution, the urea and iron sulfate break down quickly after application to absorb quickly. Can be tank-mixed with other products. **IR-25 $59.30 3+ $58.39 6+ $57.83**
	**GENE'S BOOSTER 19-2-2 + IRON** 4 oz per gal of water.	Nitrogen 19% Phosphorus 2% Potassium 2% Iron 1%	1 gal jug. Gene's Booster is formulated for grasses and turf. It gives a true deep green color. This product can be mixed with herbicides. Ship wt 10.82 lb. **GB1922 $34.22 3+ $33.12 6+ $32.44**
	7-1-2 INNOVA ORGANIC FERTILIZER OMRI Listed (Organic)	Nitrogen 7% Phosphorus 1% Potassium 2% Amino Acids Vitamins	40 lb bag. 7-1-2 Innova Organic Fertilizer from Andersons is a 100% all-natural Organic (OMRI-listed) soybean-based fertilizer that supplies available. Features: Biological: Contains four biologically active components (HAP, fulvic acid, humic acid and humin). Dispersible: Dispersing Granule Technology facilitates granule breakdown and soil incorporation. Spreadable: Uniform, spherical granules allow for ease of handling and even application. Blendable: Ultra dry granules are engineered to be compatible with all fertilizers including urea. Ship wt 40 lb. **Broadcast, Incorporation, Topdress.** **A71240 $53.05 3+ $51.95 6+ $51.26**

TURF FERTILIZERS

PRODUCT	APPLICATION RATE	ANALYSIS	ORDER INFO
	FERTILIZER WITH IRON **25-0-3** Repeat every 4-6 weeks during periods of active growth.	Nitrogen 25% Phosphorus 3% Iron 2%.	50 lb bag, covers 8-16,000 sq ft. Strong in nitrogen, this blend is ideal for that spring greenup. 50% of the total nitrogen is derived from NutriSphere-N, a proprietary nitrogen management tool that has been proven to prolong desirable turf color up to 8 weeks. Also contains 2% iron for further turf color enhancement. Especially good for golf course managers to use on fairways, roughs, and other highly used turf areas. Ship wt 50 lb. **Broadcast.** **A25NFE5 $69.25 3+ $67.03 6+ $65.65**
	22-0-4 WITH TRIMEC **POST-EMERGENT HERBICIDE** Apply when weeds are actively growing for best results.	**Fertilizer:** Nitrogen 22% Potassium 4% **Weed Control:** 2,4D 0.55% Dicamba 0.05%	40 lb bag, covers 8-10,000 sq ft. Trimec Herbicide with 22-0-4 lawn fertilizer controls dandelions, chickweed, thistle, clover and many more broadleaves just like Trimec but also includes high-nitrogen fertilizer. Ship wt 40 lb. **Broadcast.** **A2250WF4 $48.75 3+ $47.39 6+ $46.55**
	19-0-6 FERTILIZER **WITH BARRICADE** **PRE-EMERGENT HERBICIDE** Apply before weed seeds break dormancy for best results.	**Fertilizer:** Nitrogen 19% Potassium 6% **Weed Control:** Prodiamine 0.21%	50 lb bag, covers 7-14,000 sq ft. Strong in nitrogen, this blend does an exceptional job for that spring greenup. 50% of the total nitrogen is derived from NutriSphere-N, a proprietary nitrogen management tool that has been proven to prolong desirable turf color up to 8 weeks. With an active ingredient of prodiamine, the pre-emergent herbicide will provide excellent pre-emergent control of grassy and broadleaf weeds in established turfgrasses and lawns. Ship wt 50 lb. **Broadcast.** **A19NBR50 $62.85 3+ $60.84 6+ $59.58**
	21-0-4 WITH MERIT Can be used in ornamental growing operations as well as for turf.	**Fertilizer:** Nitrogen 21% Potassium 4% **Insect Control:** Imidacloprid 0.2%	50 lb bag, covers 11-14,000 sq ft. This 21-0-4 fertilizer contains MERIT insecticide that controls many root-feeding grubs including Japanese beetle, June beetle, white grub and many more. Use for fertilization AND insect control in turfgrass, landscape ornamentals and sod farms. Multiple use rates allow targeting of specific insects; high uniformity precision blend for accurate spreading. Ship wt 50 lb. **Broadcast.** **A211MR5 $64.85 3+ $62.77 6+ $61.48**
	HUMIC ACID SOIL CONDITIONER	Humic Acid 70%	40 lb bag. Upon contact with water, each Humic DG granule disperses into thousands of microparticles that move directly into the root zone. Ship wt 40 lb. Cannot be sold in AR or SD. **Broadcast, Incorporation, Topdress.** **HUMDG $64.55 3+ $63.08 6+ $62.16**
	NUTRASOFT DG **PELLETIZED GYPSUM** New lawn: 40-100 lb per 1,000 sq ft. Established lawn: 25-40 lb per 1,000 sq ft.	Calcium 21% Sulfur 16%	40 lb bag. NutraSoft DG helps loosen compacted soils, increasing water penetration and efficiency. It also decreases the amount of nitrate and phosphate runoff when watering. These processes combine to promote healthy root growth and seed emergence, both of which improve yield! Ship wt 40 lb. **PGYP40 $19.95 3+ $19.31 6+ $18.91**

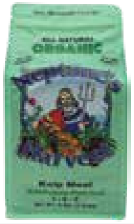
TURF FERTILIZERS & AMENDMENTS

PRODUCT	APPLICATION RATE	ANALYSIS	ORDER INFO
	HYR BRIX® LAWN FERTILIZER 14-4-24 8 lb per 1,000 sq ft. 45 lb bag, covers approx. 5,600 sq ft.	Nitrogen 14% Phosphorus 4% Potassium 24% Sulfur 11%v	45 lb bag. HyR BRIX® specially formulated this granular fertilizer to give you a healthy, full lawn. It provides essential nutrients, micro-nutrients, trace elements, and minerals. This unique fertilizer blend slowly releases into the soil, giving you a lush, dark-green look that lasts all season! Non-toxic formula causes no harm to children or pets. Ship wt 45 lb. **LF50AM $102.05 3+ $98.78 6+ $96.74**
	STARTER FERTILIZER 18-24-12 For new or existing lawns: 4.0 lb per 1,000 sq ft.	Nitrogen 18% Phosphorus 24% Potassium 12%	50 lb Bag. This Starter Fertilizer is specially designed as a seed starter that promotes vigorous seedling development and root establishment, enhances spring greenup, and corrects phosphorous deficiencies in established turf. Ship wt 50 lb. **APT1845 $89.80 3+ $86.93 6+ $85.13**
	NUTRALIME DG PELLETIZED LIMESTONE New lawn: 40 lb per 1,000 sq ft. Established lawn: 12-18 lb per 1,000 sq ft.	Calcium 21%, Magnesium 9-12%	50 lb bag. NutraLime DG increases the nutrient availability and yield of your plants. You can blend it with any dry fertilizer to create a custom macronutrient blend. The pelletized material is easy to handle and spread. NutraLime DG combines a low application rate with dramatically increased yields. This combination makes it as economical as it is efficient! Ship wt 50 lb. **HML50 $10.95 3+ $10.67 6+ $10.50**
	**HYR BRIX® PASTURE FERTILIZER 12-6-5** Apply 50 lbs evenly to 4,356 sq ft (10 bags per acre) using broadcast spreader. Best if applied in Spring, however can be applied any time.	Nitrogen 12% Phosphorus 5% Potassium 6% Calcium 2% Sulfur 12%	50 lb bag. Perfect for all Pastures & growing forages! HyR BRIX Pasture Fertilizer is formulated with a unique blend of nutrients that livestock needs to maintain optimal health. Pastures that are deficient in nutrients, could result in your young animals also being deficient in those same nutrients. Feed your livestock by feeding the soil and fortifying your plants with the power of HyR Brix fertilizers! Ship wt 50 lb. **Made in the USA.** **PF50AM $56.25 3+ $55.05 6+ $54.31**
	HYR BRIX® HYR START 12-20-12 45 lb bag covers 4,500 sq ft. 9 bags cover 1 acre.	Nitrogen 12% Phosphorus 20% Potassium 12% Calcium 5% Sulfur 10%	**12-20-12 +Ca5+S10.** 45 lb bag. Set your newly planted lawn up for success with HyR START! This fertilizer from HyR Brix supplies a healthy dose of macronutrients featuring a quick-dissolving phosphorus that energizes plants' root systems. HyR START also contains secondary macronutrients such as Calcium and Sulfur for total plant health - plus sulfur will help to reduce pH levels, subsequently unlocking nutrients tied up in the soil (especially iron). Humates also assist in naturally chelating nutrients to allow for overall increased uptake. Ship wt 45 lb. **Perfect for broadcast over new lawns, lawn renovations, or reseeding!** **HS50 $79.14 3+ $77.11 6+ $75.85**
	HYR BRIX® PHOSPHORUS-FREE LAWN FERTILIZER 20-0-8 45 lb bag covers 4,000 sq ft.	Nitrogen 20% Potassium 8% Calcium 5% Sulfur 12%	**20-0-8 + Ca5 + S12.** 45 lb bag. HyR BRIX® Phosphorus-Free Lawn Fertilizer contains a balance of micro-nutrients and slow-releasing nitrogen to enable all of the nutrients to be efficiently used for optimal lawn health and a long-lasting green color. Improve soil biology and create a dense lawn that will help eliminate competing weeds naturally. Ship wt 45 lb. **Broadcast, Starter.** **PL50AM $79.90 3+ $77.34 6+ $75.75**

FRUIT & VEGETABLE FERTILIZERS

PRODUCT	APPLICATION RATE	ANALYSIS	ORDER INFO
	HYR BRIX® ALL NATURAL AND ORGANIC VEGETABLE FERTILIZER 45 lb bag covers 1,250 sq ft. One application lasts the entire growing season.	Nitrogen 1% Phosphorus 1% Potassium 8% Calcium 12.30% Sulfur 9.37%	**1-1-8 +Ca12 +S9.** 45 lb bag. Don't let the N-P-K analysis fool you. HyR BRIX® All Natural & Organic Vegetable Fertilizer outperforms other organic fertilizers, due to our complete blend of essential micro-nutrients. It not only feeds the plant, but also the soil, all season long. Ship wt 45 lb. **Broadcast, Incorporation, Topdress, Planting, Starter.** Made in the USA. **OV50AM $64.90 3+ $63.40 6+ $62.47**
	HYR BRIX® SWEET CORN FERTILIZER 45 lb bag covers 1,000 linear ft. One application lasts all season long. Increases the size of your sweet corn.	Nitrogen 16% Phosphorus 7% Potassium 10% Calcium 2.71%	45 lb bag. Gives your sweet corn everything it needs to thrive. For best results, apply before planting. Evenly broadcast 5 lb of HyR BRIX® per 100' row or one cup per 10'. One 45 lb bag covers about 1,000 linear feet. Refer to your spreader manual to determine your correct application rates. Ship wt 45 lb. **Broadcast, Incorporation, Topdress, Planting, Starter.** Made in the USA. **SC50AM $102.35 3+ $99.07 6+ $97.03**
	HYR BRIX® FRUIT AND BERRY FERTILIZER 45 lb bag covers 1,250 sq ft. One application lasts the entire growing season.	Nitrogen 6% Phosphorus 8% Potassium 9% Calcium 9.18% Sulfur 10.4%	**6-8-9 +Ca9 +S10.** 45 lb bag. HyR BRIX® Fruit & Berry Fertilizer will contribute to a better tasting fruit that produces more abundantly with a higher nutritional value. It contains nutrients that help aid in longer plant life and enhances storage attributes. Perfect for all types of fruit and berries. Ship wt 45 lb. **Broadcast, Incorporation, Topdress, Planting, Starter.** Made in the USA. **FB50AM $61.78 3+ $59.99 6+ $58.87**
	HYR BRIX® ALL-PURPOSE LIQUID FERTILIZER 4-3-3 2 oz per 1 gallon of water.	Nitrogen: 4% Phosphorus: 3% Potassium: 3%	HyR BRIX® All-Purpose Liquid Fertilizer is a quick-acting fertilizer for foliar, drench, and drip applications. Along with N-P-K, this formulation contains micronutrients, humic acid, and fulvic acid. These components work synergistically with soil microbes to deliver optimized nutrition to plants. The end result is healthy plants, beautiful flowers, and delicious fruits & vegetables. **Foliar, Drench, Drip, Fetigation or Injection.** **APFQ** 1 Qt **$18.95 3+ $18.65 6+ $18.47** **APFG** 1 Gal **$46.90 3+ $45.93 6+ $45.33** **APF25** 2.5 Gal **$105.66 3+ $103.37 6+ $101.93**
	HYR BRIX® TOMATO FERTILIZER 5-8-10 45 lb bag covers 1,250 sq ft. One application lasts the entire growing season.	Nitrogen 5% Phosphorus 8% Potassium 10% Calcium 12.30% Sulfur 9.37%	**5-8-10 +Ca8 +S9.** 45 lb bag. HyR BRIX® Tomato Fertilizer has what tomatoes need for a healthy growth cycle. It contains multiple sources of calcium, which is essential to prevent disease and blossom end rot. Helps maximize plant health and production. Ship wt 45 lb. **Broadcast, Incorporation, Topdress, Planting, Starter.** Made in the USA. **TF50AM $69.95 3+ $67.75 6+ $66.38**
	ORGANIC ORIGINAL COMPOST OMRI Listed (Organic) The best recommendation we can offer is to get a soil test to determine amount of nutrition & organic matter needs your soil has.	Nitrogen 2% Phosphate 2% Potash 2%	40 lb bag. Rooster's Organic's original compost has the perfect blend of nitrogen, carbon, and is packed with the vital nutrients that help your flowers, garden, and house plants bloom and flourish. Greatly improves soil, water and nutrient retention, it also improves drainage, promotes root growth and nutrient absorption. It contains beneficial micro organisms that help stimulate root growth in plants and makes available nitrogen more accessible. Ship wt 40 lb. **Broadcast, Topdress, Incorporation.** **OC40 $38.35 3+ $37.12 6+ $36.36**
	HARTZ PURE LEAF™ PREMIUM MUSHROOM COMPOST All-Natural, Non-GMO Start by loosening existing soil to a depth of 4"-6". Finish by spreading a 2"-3" layer over the soil. This bag covers approximately 3 sq ft.	Beneficial microbes and vital macronutrients like nitrogen, phosphorus, potassium, and calcium	.65 cu ft bag. Created using recycled substrate provided by mushroom growers. Excellent for gardens, containers, and landscaping beds. This soil amendment provides your plants with beneficial microbes and nutrients. It also adds organic matter into the soil to help retain moisture during hot, dry summer months. Note: Contains high levels of soluble salts. Use it sparingly as a soil amendment and not as a potting soil alone. Ship wt 22 lb. **MC65CF $7.37 3+ $7.18 6+ $7.06**

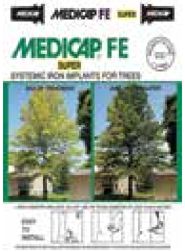
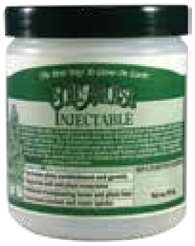
ORGANIC FERTILIZERS

PRODUCT	APPLICATION RATE	ANALYSIS	ORDER INFO
	CRAB SHELL 2-3-0 OMRI Listed (Organic) Lawns and Seed:1 lb per 100 sq ft. Trees: Use 1 lb per inch of caliper. Compost: 3 to 6 oz per cu ft.	Nitrogen 2% Phosphorus 3% Calcium 23% Magnesium 1.4%	Crab Shell retains moisture in the soil and builds the organic matter. It also gives the roots something to grab onto and wrap around for a food source, creating a deeper root system. Crab Shell is high in chitin (kite-en), which promotes the growth of chitin eating bacteria in the soil. Chitin will help eliminate ants, grubs, fungus and root nematodes, because they are all chitin based in structure. Put around plants, Crab Shell will keep slugs and snails off. **CS612** Ship wt 12 lb **$50.95 3+ $50.00 6+ $49.40**
	HYR BRIX® VEGETABLE FERTILIZER 7-7-9 45 lb bag covers 1,250 sq ft. One application lasts the entire growing season.	Nitrogen 4% Phosphorus 7% Potassium 9% Calcium 9.75% Sulfur 10.40%	**4-7-9 +Ca9 +S10.** 45 lb bag. HyR BRIX® Vegetable Fertilizer is an all-purpose fertilizer that works well on the entire garden, including all vegetables and fruits. Multiple forms of Calcium and other nutrients increase plant health and can enhance the plants' immune system and make the plant more resilient to blight and other common diseases. Ship wt 45 lb. **Broadcast, Incorporation, Topdress, Planting, Starter.** Made in the USA. **VF50AM $64.70 3+ $62.70 6+ $61.45**
	**KELP MEAL 1-0-2** OMRI Listed (Organic) Lawns and Seed: 1 lb per 100 sq ft. Trees: Use 1 lb per inch of caliper. Compost: 3 to 6 oz per cu ft.	Nitrogen 1% Potassium 2% Magnesium 0.5% Sulfur 2%	Contains dried and ground Ascophyllum nodosum (Seaweed/Kelp) which is widely recognized as one of the finest marine plants available for agriculture today. It provides over 60 minerals, carbohydrates and amino acids to accelerate growth, and increase fruiting and flowering. Adds organic matter to your soil and help it retain moisture. **KM612** Ship wt 12 lb **$59.85**
	NEPTUNE'S HARVEST SEAWEED PLANT FOOD 0-0-1 OMRI Listed (Organic) We recommend use as an addition to a regular program of Neptune's Harvest Fish Fertilizer. Use Neptune's Harvest Liquid Seaweed Plant Food on all your plants in alternate feedings.	Potassium 1%	The addition of the seaweed plant food provides an organic storehouse of over 60 naturally occurring major and minor nutrients and amino acids. Its growth promoting substances (Auxins, Cytokinins, Gibberellins) enhance plant development, color and vigor. **Hydroponics, Fertigation, Foliar.** **SWQ** 1 Qt **$20.12 3+ $19.69 6+ $19.43** **SWG** 1 Gal **$48.65 3+ $47.72 6+ $47.13** **SW5** 5 Gal **$185.35**
	SUPERTHRIVE ORGANIC FOOD OMRI Listed (Organic)	Nitrogen 4% Phosphorus 1% Potassium 1%	32 oz bottle. An all-natural source of plant nutrition! SUPERthrive® Organic Plant Food contains a natural source of plant nutrition. It derives this nutrition from oceanic fish. Suitable for organic gardening. Ideal for many types of plants including trees, shrubs, flowers, vegetables, indoor plants, and even bonsai trees. Ship wt 2.5 lb. **STF1Q $13.92 3+ $13.58 6+ $13.36**
	NEPTUNE'S HARVEST TOMATO AND VEG FORMULA 2-4-2 Tomato & Veg Formula should be used in combination with Rose & Flowering Formula. **Part 1 Tomato & Veg Formula:** During the vegging stage of plant. **Part 2 Rose & Flowering Formula:** Once buds begin to appear, when flowering begins.	Nitrogen 2% Phosphorus 4% Potassium 2% Calcium 1%	This is a perfect complete fertilizer for your tomatoes, vegetables and more. Made from fresh fish, seaweed, molasses, yucca extract and humic acids, this formula was uniquely designed for plants with intense growth or "vegging" stages. Growers using our "Tomato & Veg" have seen increased stalk/stem mass resulting in higher yields. In addition, Tomato & Veg provides necessary nutrients to keep your plants vigorous with strong root zones and lush foliage, increasing its tolerance to various diseases, temperature and drought. **Hydroponics, Fertigation, Foliar.** **TVQ** 1 Qt **$30.55 3+ $29.80 6+ $29.33** **TVG** 1 Gal **$75.02 3+ $73.25 6+ $72.15** **TV5** 5 Gal **$243.69 3+ $238.19 6+ $234.75**
	NEPTUNE'S HARVEST ROSE AND FLOWERING FORMULA 2-6-4 Rose & Flowering Formula should be used in combination with Tomato & Veg Formula. **Part 1 Tomato & Veg Formula:** During the vegging stage of plant. **Part 2 Rose & Flowering Formula:** Once buds begin to appear, when flowering begins.	Nitrogen 2% Phosphorus 6% Potassium 4% Calcium 1%	Rose & Flowering fertilizer was uniquely formulated for flowering plants to increase their vigor during flowering and to increase the volume and density of buds that produce healthy, vibrant flowers. Made with fresh fish, molasses, yucca extract, seaweed and humic acids our Rose & Flowering formula will ensure that your plants are healthy and happy, produce lush foliage and maximize their flowering ability! **Hydroponics, Fertigation, Foliar.** **RFQ** 1 Qt **$28.55 3+ $27.96 6+ $27.59** **RFG** 1 Gal **$70.60 3+ $69.19 6+ $68.30** **RF5** 5 Gal **$248.85 3+ $242.93 6+ $239.24**

FERTILIZERS & NUTRIENTS

PRODUCT	APPLICATION RATE	ANALYSIS	ORDER INFO
	ARBOR CARE 15-8-4 TREE Foliar: 1 oz per 1 gal water (Spray until runoff). Injector: 1.5-5 gal per 100 gal water.	Nitrogen 15% Phosphorus 8% Potassium 4% Copper 0.05% Iron 0.10% Manganese 0.05% Zinc 0.05%	2.5 gal jug. Arbor Care provides a continuous steady source of slow release nitrogen from methylene diurea (MDU) along with soluble, non-chloride potassium. The N-release period, when used for deep root injection, extends from 3 to 6 months depending on the soil and climate conditions. Arbor Care poses no danger of phytotoxicity and has an extremely low salt index. Ship wt 28 lb. **Drench, Injector.** **GP20330 $94.62 3+ $92.37 6+ $90.96**
	AZOMITE 2.9-3.6 lb per 1,000 sq ft Application Guidelines at amleo.com	Nitrogen 0% Phosphorus 0% Potassium 0.2% Calcium 1.8% Magnesium 0.5%	**OMRI Listed (Organic)** Natural product mined from an ancient mineral deposit that contains over 70 trace elements and minerals. These elements have been reported to improve root systems, yields and general plant vigor. **Uses: Broadcast, incorporation, planting, starter, topdress** **AZ44** Ship wt 44 lb **$69.95 3+ $67.71 6+ $66.31**
	BLOOMTASTIC 8-32-5 Foliar: 11-22 oz per 2 gal water (Water every 2-4 weeks). Injector: 9 oz per 1 gal water.	Nitrogen 8% Phosphorus 32% Potassium 5% Copper 0.05% Iron 0.10% Manganese 0.05% Zinc 0.05%	2.5 gal jug. Bloomtastic™ 8-32-5 is excellent for seedlings, young plants and overseeding. It is a solution that contains 4% time-released Nitrogen from Growth Products' exclusive methylene urea. The timed-release nitrogen helps feed young plants consistently. Consistent feeding helps avoid flush growth, which is detrimental to the plant and contributes to disease susceptibility. Ship wt 30 lb. **Foliar, Injector.** **GP20740 $86.35 3+ $84.81 6+ $83.86**
	CALCIUM AND MAGNESIUM 7-0-3 Foliar: 24-36 oz per 100 gal water (Water every 2-4 weeks). Injector: 13 oz per 100 gal water (Water once per month).	Nitrogen 7% Potassium 3% Calcium 4% Magnesium 2%	2.5 gal jug. Growth Products Cal-Mag Max™ contains 4% calcium and 2% chelated magnesium. Calcium and Magnesium are very important secondary nutrients for plants. They are a part of the chlorophyll molecule, which is necessary for sugar formation. Ship wt 32 lb. **Foliar, Injector.** **GP40320 $88.68 3+ $87.10 6+ $86.12**
	CHELATED CALCIUM 9% Turfgrass: 3-5 oz per 1 gal water (Water once per month). Nursery: 1-2 quarts per 100 gal water (Water once per month).	Nitrogen 6% Calcium 9%	2.5 gal jug. Growth Products Cal-Tec™ 9% 6-0-0 is a fully chelated micronutrient used to correct calcium deficiency in field crops, fruit trees, and greenhouse crops. This convenient, clear liquid provides calcium in a soluble, readily available form for rapid plant update. Use this product for foliar spray or soil applications. Calcium can correct minor deficiencies. You can also use it in a regular growing program where crops and soils deficient of calcium. In order to ensure proper crop yield, it is important to treat calcium deficiency before the symptoms become observable. Ship wt 28.25 lb. **Fertigation, Drench, Hydroponic.** **GP40270 $69.62 3+ $68.37 6+ $67.58**
	PH REDUCER Turfgrass: 2-6 oz per 2 gal water (Water once per month) Tree Soil Drench: 32 oz per 100 gal water (Water once per month)	Citric Acid 50%	2.5 gal jug. Safer alternative to sulfuric acid when treating irrigation water. Growth Products pH Reducer™ is a specially formulated citric acid solution. It is an organic solution used to lower the pH of soilless media and water. pH Reducer™ can also be used as a buffer in mixing tanks. It has the added benefit of chelating micronutrients that may be unavailable in soil. Growth Products pH Reducer contains a natural wetting agent to help the citric acid penetrate the soil quickly. It is WSDA-approved. Ship wt 25 lb. **Fertigation, Hydroponic.** **GP30520 $76.12 3+ $74.46 6+ $73.42**

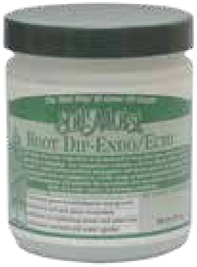
TREE FERTILIZERS AND NUTRIENTS

PRODUCT	APPLICATION RATE	ANALYSIS	ORDER INFO
	**MEDICAP® FE IRON TREE IMPLANTS** One 3/8" Medicap equals 4 lb of "Chlorosis mix" or 2 gallons of foliar spray. Directions included.	Iron 28% Derived from Ferric Ammonium Citrate	Proven effective in extensive university testing! The answer to chlorosis, yellow leaves, brown spots and deterioration in ornamental trees, fruit trees and vineyards. Ship wt .5 lb. **FE10** 3/8" dia, 10/pkg **$12.52** **3+ $12.32** **6+ $12.19** **FE12** 1/2" dia, 25/pkg **$35.35** **3+ $34.59** **6+ $34.12**
	MEDICAP MD® 12-4-4 NUTRIENT TREE IMPLANTS (See label for application rate)	Nitrogen 12% Phosphorus 4% Potassium 4% Iron 4% Manganese 4% Zinc 4%	3/8" dia. 25/pkg. Water-soluble, concentrated nutrients to stimulate tree growth. Use Medicap MD for confined root area, mechanical root injury, poor soil conditions, disease or insect stress, frost, surgery or pruning shock. Ship wt .5 lb. **MD25** **$34.35** **3+ $33.47** **6+ $32.91**
	MEDICAP® MANGANESE TREE IMPLANTS 5 cartridges will treat a tree with 7" DBH (Diameter at Breast Height, about 4' from ground). 10 cartridges will treat a 14" DBH tree, or three 4" DBH trees. (Do not treat trees less than 3" DBH)	Manganese 28% Inert ingredients 72%	3/8" dia. 25/pkg. Tests prove its effectiveness! Medicap MN can prevent or correct manganese chlorosis, defoliation, and yellowing in red, sugar, Norway and silver maples. Manganese deficiencies are normally associated with calcareous, arid or sandy soil conditions. Trees most susceptible are Maple (Red, Sugar, Norway, and Silver), Peach, Ornamental Cherry, Citrus, and Palms. **MN25** **$32.06** **3+ $31.36** **6+ $30.92**
	MEDICAP® ZINC TREE IMPLANTS (See label for application rate)	Zinc 30% Inert ingredients 70%	3/8" dia. 10/pkg. Zinc deficiencies are normally associated with calcareous soils and are common in citrus, peach, nectarine, avocado, walnut, pecan or other nut trees! Zinc deficiencies can cause intravenous chlorosis, little leaves, even rosetting of terminal growth in fruit, nut, and some ornamental trees. **ZN10** **$11.85** **3+ $11.70** **6+ $11.61**
	NUTRI- JECT® FE MN ZN TREE TECH® MICROINJECTION SYSTEM Effective for reversing foliar yellowing and branch dieback from construction activities	12 mL Macro-and Micronutrients, Elevated levels of Iron, Zinc, and Manganese (1.2%)	25-pack carton of 12 ml bottles. Tree Tech® minimizes loss of solutions to the surrounding environment for better efficiency. It goes directly into the tree's vascular system. Eliminates spray drift, groundwater contamination, and reduces applicator exposure. The best method of applying chemicals and pesticides, particularly in urban areas. Ship wt 4 lb. **Injection.** **TTMN** **$229.59** **3+ $223.89** **6+ $220.33**
	**SOIL MOIST WATERING REDUCTION FORMULA INJECTABLE** Container: Mix a 9-oz container with 150 gallons of water Injection: 1/2-gallon at a depth of 6-10" in the soil Trees: Under 3" caliper, inject at 2.5' intervals in a grid pattern).	Mycorrhiza, fertilizers, rooting hormones, beneficial fungi, vitamins, and more.	9 oz jar. Designed not to "float" out of the soil: Keeping benefits at the roots. Promote root development and uptake ability of mature or newly planted trees and shrubs using injection equipment. A blend of seven species of ecto- and endo-mychorrhiza fungi, along with sea kelp, Humic acid, and vitamins; adapted to a wide variety of plants and conditions. Ship wt 1 lb. **Injection.** **SMIJ9** **$36.90** **3+ $36.18** **6+ $35.74**

TREE FERTILIZERS AND MICRO-NUTRIENTS

PRODUCT	APPLICATION RATE	ANALYSIS	ORDER INFO
	PHC BIO PAK PLUS INJECT/DRENCH 3-0-20 Lawns: 5 lb per 50-100 gal water per acre. Injection:3-5 lb per 50 gal water for 1,250 sq ft.	Nitrogen 3% Phosphorus 0% Potassium 20% Magnesium 1.5% Sulfur 4% Boron 0.02% Iron 7% Manganese 0.2% Zinc 0.2%	Box of 5, 1 lb packs. Encourages root growth without burning or harming roots. Contains beneficial bacteria to add microbial activity. This is good alternative during drought or water restrictions. Ship wt 7 lb. **Drench, Injection.** **BIO5 $100.55 3+ $98.39 6+ $97.03**
	ROOTS 11-22-22 TREE NUTRIENT AND SURFACTANT Injection: 8 lb per 1250 sq ft/ 5 gal per inch. Drench: 1 qt per gal container size.	Nitrogen 11% Phosphorus 22% Potassium 22% Boron 0.02% Copper 0.05% Iron 0.1% Manganese 0.05% Molybdenum .0009% Zinc 0.05%	9 lb bag. Water soluble formula with N-P-K fertilizers to boost soil fertility. Adds beneficial bacteria and an organic nutrient complex which sustains long term fertility. Perfect for soil injection and soil drenching of trees. Ship wt 9 lb. **Drench, Injection.** **INJ11 $54.05 3+ $53.16 6+ $52.61**
	PHC TREE NUTRIENT AND SURFACTANT 27-9-9 Injection: 8 lb per 1250 sq ft/ 5 gal per inch. Drench: 1 qt per gal container size.	Nitrogen 27% Phosphorus 9% Potassium 9% Boron 0.02% Copper 0.05% Iron 0.1% Manganese 0.05% Molybdenum .0009% Zinc 0.05%	8 lb bag. Water soluble formula with N-P-K fertilizers to boost soil fertility. Adds beneficial bacteria and an organic nutrient complex which sustains long term fertility. Perfect for soil injection and soil drenching of trees. Ship wt 8 lb. **Drench, Injection.** **INJ27 $48.85 3+ $47.91 6+ $47.33**
	PHC INJECTABLE BENEFICIALS Using soil injection equipment mix 1 pack of "A" with 1 pack of "B" per 50 gallons of water.	Endo- and Ecto-mycorrhizal fungi, Rhizosphere bacteria, Humic Acid, Seaweed meal	Mycorrhizae aid in the absorption and transfer of water and mineral nutrients from the soil to the plant. This is an injectable product that introduces 6 species of beneficial bacteria right to the roots improving soil fertility by nitrogen-fixing, phosphorus solubilizing and biodegrading soil organic matter, and releasing mineral nutrients. Includes humic acid, sea kelp extract, soluble yucca plant extract, nutrients, amino acids, proteins, vitamins and sugars. INJECTION. Ship wt 5 lb. **MT915 $384.10 3+ $377.29 6+ $373.04**
	PHC TREESAVER BENEFICIALS 1 packet per caliper inch or per foot of root ball diameter.	Endo- and Ecto-mycorrhizal fungi, Rhizosphere bacteria, Humic acid, Seaweed meal.	Pre-measured 3 oz tree survival packs or bulk pails, with live spores of beneficial endo and ectomycorrhizal fungi, plus Terra-Sorb (water absorbent gel) and biostimulants to ensure the survival of your transplants. **Incorporation, Planting, Starter.** 600 oz bulk pail. Ship wt 40 lb **MT600 $554.35 3+ $544.60 6+ $538.51**
	GRANULAR PLANT SAVER 4-7-4 4 oz per 1-2 gal plant.	Nitrogen 4% Phosphorus 7% Potassium 4% Calcium 3% Magnesium 3% Sulfur 1% Boron 0.02% Iron 3% Manganese 0.7% Zinc 0.2%	10 lb bag. Granular fertilizer and soil conditioner with organic amendments beneficial mycorrhizal fungi and Nitrogen fixing/ Phosphorus solubilizing bacteria. Ship wt 11 lb. **Broadcast, Incorporation, Topdress.** **MT1926 $52.50 3+ $50.98 6+ $50.03**

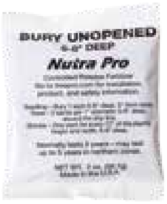
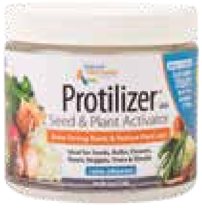
GROWTH REGULATORS & ROOTING HORMONES

PRODUCT	APPLICATION RATE	ANALYSIS	ORDER INFO
	E-Z ROOT ROOTING COMPOUND Ideal for all plants, flowers, vegetables, and trees.	Three strain microbial species with an organic-based fertilizer	E-Z root is a microbial based rooting compound to help grow new plants from cuttings. The naturally-occurring bacteria improves soil conditions for root growth. E-Z Root works on rooted and unrooted cuttings. **Dip, Drench, Hydroponic.** **EZR2** 2 oz bag **$7.52** **EZR8** 8 oz bag **$31.50** **3+ $30.92** **6+ $30.56** **EZR28** 28 oz pail **$102.91** **3+ $101.27** **6+ $100.24**
	DIP N GROW ROOTING CONCENTRATE For best results, once diluted, use within 10 hours. Hardwoods :Dilute by 5x Semi-hardwoods: Dilute by 10x Softwoods/Succulents: Dilute by 20x.	Indole 3-Butyric Acid 1% 1-Napthaleneacetic Acid 0.5% Inert Ingredients 98.5%	Increase rooting success up to 60% compared to powders. Dip N Grow is a liquid rooting hormone with IBA and NAA, for successful rooting of all types of cuttings, from succulents to hardwoods. Because it is a liquid concentrate, Dip N Grow is absorbed more evenly and easily, roots are more massive and healthier, and ready for long term growth. 2 oz bottle. Makes 10 - 40 oz of solution. **DG2** **$18.30** **3+ $17.71** **6+ $17.35** 16 oz bottle. Makes 80 - 320 oz of solution. **DG16** **$63.90** **3+ $62.10** **6+ $60.97**
	**SOIL MOIST ROOT DIP FORMULA** Each 3 oz package will make 3 gallons of slurry. Dip or spray bare plant roots immediately before planting or shipping. Will treat up to 1000 seedlings.	43,000 viable propagules of Endomycorrhizal fungi per pound. 5.9 billion viable propagules of Ectomycorrhizal fungi per pound.	12 oz package. Inoculate bare-root stock prior to planting or shipping to promote new root development of trees and shrubs. Improves the soil and ecosystem, reduces plant stress, increases nutrient and water uptake, and reduces fertilizer use. Contains both endo- and ecto-mychorrhiza. Ship wt 1 lb. **SMRD12** **$38.50** **3+ $37.41** **6+ $36.73**
	SUCKER STOPPER® RTU 3 oz per 1,000 sq ft. Treatments at least 5 days apart with no more then 9 oz per 1,000 sq ft per year.	Ethyl 1-Napthaleneacetate 1.15%	22 oz bottle. Sucker-Stopper® RTU controls sprouting from pruning cuts, trunks and root stocks. Sucker-Stopper® RTU is a ready-to-use product. Do not allow Sucker-Stopper® RTU to contact buds or foliage as injury may result. Ship wt 1.6 lb. **SS425** **$52.55** **3+ $50.87** **6+ $49.82**
	GROWTH REGULATOR ATRIMMEC Foliar: 1 - 3 oz per gal of water Injector: 8-12 oz per gal of water (Plants must be healthy and actively growing)	Sodium salt 18.5%.	1 quart bottle. Atrimmec is a systemic plant growth regulator which works by blocking the plant hormones that stimulate growth. Applied as a foliar spray, it is absorbed by the leaves and translocated to the shoot tips where it interrupts apical dominance and temporarily stops shoot elongation. Ship wt 2.5 lb. **66286** **$159.30**

MIX OF TRANSPLANTING & TREE FERTILIZERS

PRODUCT	APPLICATION RATE	ANALYSIS	ORDER INFO
	ROOTS HEALTHY START ADVANCED 3-4-3 (See label for application rate)	Nitrogen 3% Phosphorus 4% Potassium 3%	A general-use fertilizer for Trees & Shrubs, Flowers, and establishing new Turf. This natural granular fertilizer has an NPK analysis of 3-4-3 and contains beneficial bacteria. Organic sources of nitrogen provide a slow-release that also enhances soil health. Healthy Start Advanced also contains Potassium Sulfate for an immediate availability of potassium with the added benefit of sulfur. 4% Iron helps provide micronutrient support to plants and is especially important for a healthy, green, luscious lawn. Other beneficial ingredients include: rhizosphere bacteria, kelp meal, vitamins, and humic acids to improve soil & plant health (ROOTS Healthy Start Advanced 3-4-3 is direct replacement for M-Roots 3-3-3.) **Planting, Starter.** **MR343 $60.20 3+ $58.80 6+ $57.92**
	BIOPLEX® TRANSPLANT CONCENTRATE Root Drench: 5-7 fl.oz. per 5-10 gallons water Foliar: 0.25-0.5 fl.oz. per gallon on a monthly regimen Container: 3-5 fl.oz. per 10-15 gallons water in large tub. (Submerge containers 2-3 minutes or until root zone is saturated).	Nitrogen 1% Phosphorus 2% Potassium 1% Endo- and Ecto-mycorrhizal fungi, Humic acid Kelp extract	Bio-Plex applied before and/or after digging or transplanting, will enhance a plant's ability to survive. A biostimulant liquid complex of seaweed extract, humic acid extract, enzymes, and a "new generation" non-ionic wetting agent. Extends planting and harvesting opportunities year round for more successful, healthier plantings, fewer warranty replacements, and greater customer satisfaction. Some of the benefits include: Reduced transplant stress, wilt and flagging. Speeds root establishment for larger fibrous root mass. **Planting, Incorporation, Transplanting, Foliar.** **BPT1** 9.5 lb **$166.90 3+ $163.46 6+ $161.30** **BPT6** 62 lb **$829.20 3+ $815.28 6+ $806.58**
	BIOPLEX® 5-IN-1 PLANTING GRANULES Planting: 4-8 oz per 1-2" caliper. Bed Application: 10-25 lb 1000 sq ft. Soil Media: 10-25 lb per 1-2 cu yd.	Nitrogen 2% Phosphorus 3% Potassium 2% Endo- and Ecto-mycorrhizal fungi, Polymer gel, Porous volcanic rock	A complete, comprehensive, cost effective approach to establishing new plantings. Excellent for large and small trees, shrubs, and flowers. Slow-release digestible nutrients for larger and healthier root masses. Reduces stress symptoms. Increases drought/flood tolerance. Plants are established faster, with much better survival rates. Reduces soil compaction and much more! **Planting, Incorporation, Transplanting, Foliar.** **BP51-7** 8 lb **$66.85 3+ $65.65 6+ $64.89**
	PHC TREESAVER BENEFICIALS 1 packet per caliper inch or per foot of root ball diameter.	Endo- and Ecto-mycorrhizal fungi, Rhizosphere bacteria, Humic acid, Seaweed meal.	Pre-measured 3 oz tree survival packs or bulk pails, with live spores of beneficial endo and ectomycorrhizal fungi, plus Terra-Sorb (water absorbent gel) and biostimulants to ensure the survival of your transplants. **Incorporation, Planting, Starter.** 150 packs in 5 gal pail (450 oz total). Ship wt 33 lb **MT150 $569.93 3+ $560.21 6+ $554.14**
	WATER SAVING GRANULES Apply every 4-6 months.	Propylene Oxide 15% Ethylene Oxide Block Polymer	20 lb bag. Water Saving Granules® reduces water usage by up to 50%. It is a superior, safe and natural Granular Water Retention Application that improves moisture and nutrient distribution by channeling water directly to the root zone where it is evenly and rapidly dispersed. **Planting, Incorporation, Transplanting.** **WSG20 $153.69 3+ $150.00 6+ $147.69**

BENEFICIAL MICRO-ORGANISMS

PRODUCT	APPLICATION RATE	ANALYSIS	ORDER INFO
	GROTAB 3-IN-1 PREMIUM PLANT STARTER 12-8-4 Use at planting. 1-2 tablets depending on plant size.	Nitrogen 12% Phosphorus 8% Potassium 4% Endo- and Ecto-Mycorrhizal Fungi, Trichoderma.	**2-3 month release time.** Tablets are easy and affordable to use. Dig, drop and plant application. Trichoderma inoculates the root. Mycorrhizae biostimulant. Reduces transplant shock. Stimulates plant development. Activates root system. Activates soil microorganisms. Increases nutrient absorption. Increases resistance to abiotic stress. Holds 3X its weight in water. Will not harm roots. **Incorporation, Planting, Starter.** **GT100** Qty 100 **$44.35 3+ $43.54 6+ $43.03** **GT500** Qty 500 **$196.50 3+ $193.04 6+ $190.88** **GROTAB** Qty 1,500 **$525.70 3+ $517.47 6+ $512.33**
	GROTAB 3-IN-1 PREMIUM PLANT STARTER 4-8-4 2-3 month release time. Use at planting - 1-2 tablets depending on plant size	Nitrogen 4% Phosphorus 8% Potassium 4% Endo- and Ecto-mycorrhizal fungi Trichoderma	Tablets are easy and affordable to use. Dig, drop and plant application. Trichoderma inoculates the root. Mycorrhizae biostimulant. Contains 16 tablets. **GT16 $9.71 3+ $9.48 6+ $9.34**
	**NUTRA PRO FRUIT AND NUT TREE/SHRUBS** 1 pack per inch caliper or 1' shrub height	Nitrogen 16% Phosphorus 16% Potassium 16%	Controlled release fertilizer packets are designed to make it virtually impossible to over or under feed trees, plants and shrubs. 1 Year Release, .5 oz. 20 packs. **NP1-20-16 $14.45 3+ $13.99 6+ $13.70** 3 Year Release, 2 oz. 10 packs. **NP3-10-16 $22.75 3+ $22.02 6+ $21.57**
	NUTRA PRO TREES AND EVERGREENS 1 pack per inch caliper or 1' shrub height	Nitrogen 16% Phosphorus 8% Potassium 8%	Controlled release fertilizer packets are designed to make it virtually impossible to over or under feed trees, plants and shrubs. 1 Year Release, .5 oz. 20 packs. **NP1-20-8 $8.42 3+ $8.16 6+ $8.01** 3 Year Release, 2 oz. 10 packs. **NP3-10-8 $22.75 3+ $22.02 6+ $21.57**
	ROOTS PLANT FOOD WITH MICROBES Broadcast: 50 lb per 1,000 sq. ft. Topdress: 1/8 lb per gal container.	Nitrogen 7% Phosphorus 7% Potassium 7% Calcium 5.00% Sulfur 2.00% Copper 0.20% Iron 4.00% Zinc 0.20% Magnesium 1.50% Manganese 0.10%	40 lb bag. Provides a total feeding solution for garden, bedding plants, trees, shrubs, containers, in potting and seeding mixes. Unique combination of organic based fertilizer and ingredients, along with beneficial microbes to stimulate root growth. Ship wt 40 lb. **Broadcast, Topdress.** **PF777 $87.40 3+ $84.60 6+ $82.86**
	**NATURAL ALTERNATIVE PROTILIZER SEED AND PLANT ACTIVATOR** **OMRI Listed (Organic)** 1 jar makes 12 gallons. 1 gallon treats 18 (4") pots, 64 bulbs, or 72 plugs.	Billions of proprietary beneficial microbes and Michorizae fungi	6 oz. Protilizer® Seed and Plant Activator speeds up the germination of seeds to drastically reduce transplant shock. It helps with strong root growth for efficient water and nutrient absorption, replaces the need for fungicides, and overtakes soil pathogens and plant diseases. Protilizer® is a good solution for the maintenance of established plants. Includes scoop for accurate measuring. Ideal for seeds, bulbs, flowers, roses, vegetables, trees and shrubs. **60100 $21.07 3+ $20.74 6+ $20.54**

BENEFICIALS & LIQUID FERTILIZERS

PRODUCT	APPLICATION RATE	ANALYSIS	ORDER INFO
	LEONARD BEDS & TURF MYCO PACKAGE Mix this product into the top 3" to 4" of soil in your flower and vegetable beds to improve rooting, survival, nutrient availability and overall plant and soil health. One 4 lb bag will cover 200 sq ft of your bed areas.	Endo-mycorrhizae, Ecto-mycorrhizae, Beneficial Bacteria, Humic Acid, Sea Kelp, Trichoderma Fungi and Root Promoting Vitamins.	Improve rooting, survival, nutrient availability and overall plant and soil health. Ship wt 4 lb. **Incorporation, Planting, Starter.** **BNT4LB $52.45 4+ $51.18 8+ $50.39**
	LEONARD MAINTENANCE BENEFICIALS Use this maintenance formula every 6 weeks for maximum effect resulting in a reduction of plant loss, reduced fertilizer and pesticide needs, and less heat stress damage. Mix one (4 oz) package in 25 gallons of water to cover 10,000 square feet of turf or flower beds.	Trichoderma Fungus, Bacillus, Humic Acids, Sea Kelp, Yucca Extract, Vitamins, Aminio Acids, and Natural Sugars	Maintenance Formula reduces plant loss while reducing fertilizer and pesticide use. Our AML branded maintenance product is a dry, soluble bio-stimulant compound applied as a foliar, drench or root injection to turf, trees, shrubs, fruit, nut and vineyards to boost plant and soil health. It is formulated to improve plant respiration and photosynthesis while promoting cell division and lateral bud development. Ship wt .25 lb. **Broadcast, Incorporation, Planting, Starter, Topdress.** **MAINT4 $13.05 4+ $12.68 8+ $12.44**
	LEONARD TRANSPLANT MYCO PACKAGE Mix with backfill in the top 8-10" of planting hole making sure product is in contact with the root ball. Each 8 oz. bag will treat a 2" caliper tree.	Endomycorrhizal and Ectomycorrhizal Fungi, Humic Acids, Trichoderma Fungi, Stimulants, Beneficial Bacteria, Soluble Sea Kelp, and Yucca Plant Extract.	Our AML branded Transplant product is formulated to inoculate landscape plants when planted with live beneficial mycorrhizal fungi and nearly one hundred other ingredients to "complete" the plant and the ground in which the transplant is planted. This results in quick root establishment and less transplant shock. Horta-Sorb water management gel is added to reduce transplant shock and stress. The results are better survival and growth rates and less watering for all tree and shrub transplants. Ship wt .5 lb. **Planting, Starter.** **TRANS8 $10.85 4+ $10.50 8+ $10.29**
	MYCOAPPLY® ULTRAFINE ENDO/ECTO OMRI Listed (Organic)	Combines four species of endomycorrhizal fungi with seven species of ectomycorrhizal fungi.	1 lb pouch. The particles in this concentrated powder measure less than 300 microns. Microscopic particles contain propagules, which colonize roots and extend into the surrounding soil. Approximately 95% of plant species benefit from at least one of the fungi in MycoApply® Endo/Ecto. Increase effective rooting area. Enhance plant growth, vigor, and environmental tolerance. Ship wt 1 lb. **Planting, Starter.** **UEE1 $39.45 3+ $38.79 6+ $38.38**
	NUTRA GREEN 5-10-5 + MINORS 1 oz per gal of water.	Nitrogen 5% Phosphorus 10% Potassium 5% Magnesium 1% Boron 0.1% Copper 0.1% Iron 1% Zinc 0.1%	1 gal. Nutra-Green contains all the essential nutrients needed by the plant in a completely balanced, organic-based formula, ideal for optimal plant development. Nutra-Green contains all the macro and secondary nutrients (nitrogen, phosphorus, potassium, calcium, magnesium and sulfur). Ship wt 11.35 lb. **Foliar.** **NG5105 $42.21 3+ $41.44 6+ $40.96**
	PRO-BLOOM 3-4-17 1 oz per gal of water.	Nitrogen 3% Phosphorus 4% Potassium 17% Molybdenum .0001%	1 gal. Promotes flowering and plant growth. The high phosphate content with potassium is particularly useful to promote blooming ornamentals. Ship wt 11.85 lb. **Foliar.** **PB32017 $34.13 3+ $33.65 6+ $33.35**

BENEFICIAL MICRO-ORGANISMS

PRODUCT	APPLICATION RATE	ANALYSIS	ORDER INFO
	MYCOAPPLY® SOLUBLE MAXX **OMRI Listed (Organic)**	Combines nine species of endomycorrhizal fungi and ten species of ectomycorrhizal fungi.	1 lb pouch. 1-0.5-1 formulation. A blend of kelp, humic acids, vitamins, and specially-formulated amendments, two Trichoderma species and twelve species of beneficial bacteria. The particles in this concentrated powder measure less than 300 microns. These microscopic particles contain propagules, which colonize roots and extend into the surrounding soil. The ultimate product. For re-establishing biological diversity in your soil. Ship wt 1 lb. **SMAXX1 $43.45**
	MYCOAPPLY® ULTRAFINE ENDO **OMRI Listed (Organic)**	Combines four species of endomycorrhizal fungi.	1 lb pouch. The particles in this concentrated powder measure less than 300 microns. These microscopic particles contain propagules, which colonize roots and extend into the surrounding soil. These beneficial fungi form a symbiotic relationship with the plant and increase its effective rooting area. This increase enhances plant growth, vigor, and environmental tolerance. It also improves access to water and nutrients, enhancing the overall quality of the plant. Ship wt 1 lb. **UE1 $32.75**
	NITRO-BOOST COMPOST TEA KIT **OMRI Listed (Organic)** Steep bag of compost in 5 gallon bucket with 4 gallons non-chlorinated water (if chlorinated, use aerator to dissipate chlorine). Wait 4 hours. Water into soil or spray.	Nitrogen 2%, Phosphate 2%, Potash 2%.	Kit includes 8 lb bag of Nitro-Boost compost, two tea bags and an aerator. Makes about 40 gallons of nitrogen-boosting fertilizer. Ship wt 8 lb. **NBCT8** Kit **$27.16 3+ $26.73 6+ $26.46** **NBC15** 15 lb refill **$10.42 3+ $10.16 6+ $10.00**
	TERRAGROW ORGANIC SOIL INOCULANT Tank mix with other products if the final pH is between 6 and 7. Apply TerraGrow as a soil treatment, soil/media drench, turf application, seed treatment, or cutting/root dip.	Five different strains of beneficial bacillus bacteria and one strain of Trichoderma. Humic acid and organic matter derived from soy proteins and kelp extract	4 lb of water-soluble powder. TerraGrow is ideal for fruits, vegetables, shrubs, ground cover, flowers, turf, trees, and hydroponic applications. This product helps reduce transplant shock, promotes health roots, and increases the overall vigor of your plants. The unique blend of bacillus bacteria encourages nutrient release and absorption, promoting healthy growth. TerraGrow remains active in the soil for a minimum of 27 days and has a 1-year shelf life. **Made in the USA!** **TERRAG4 $151.90**
	PLANT THRIVE BENEFICIAL BACTERIA Apply as a soil amendment when planting, or as a drench/foliar spray.	18 strains of highly active beneficial bacteria with four strains of fungi.	Improve Plant Establishment with Plant Thrive. Plant Thrive is a microbial based formulation that improves soil conditions for plant growth and improves plant establishment. Plant Thrive is for all plants, flowers, vegetables, and trees. **Soil Amendment, Planting, Drench, Foliar.** **PT3** 3 oz bag **$11.87 3+ $11.65 6+ $11.52** **PT28** 28 oz pail **$100.15 3+ $98.28 6+ $97.11**

A.M. LEONARD GRASS SEED VARIETIES

FAIRLAWN
BRAND
Lawn Seed
Mixture
TALL FESCUE
Lawn Seed
FAIRLAWN
SHADY
LAWN SEED
MIXTURE

LEONARD FAIRLAWN BLUE AND RYE MIX

The No. 1 best selling mix in the midwest! It's just the thing for the homeowner who plans to maintain his lawn with average to low fertilization. Fairlawn Brand features only our newest and highest rated ryegrasses – thereby offering the quick establishment of a durable and attractive permanent turf. New Lawn: 5 lb per 1,000 sq ft. Overseeding: 2.5 lb per 1,000 sq ft.

Item	Size	Price	3+	6+
FAIR5	5 lb	**$39.75**	**$38.67**	**$37.99**
FAIR25	25 lb	**$176.95**	**$172.78**	**$170.17**

LEONARD TURF TYPE TALL FESCUE

These Tall Fescues are getting better all of the time, and we'll put our blend up against anyone's! The genetic diversity of this mixture offers some of the highest rated performers. Once established, do not fertilize tall fescue lawns during the hot summer months. This Turf-Type Tall Fescue Mix is the best low maintenance seed mix available in the midwest and other regions. New Lawn: 7-8 lb per 1,000 sq ft. Overseeding: 4 lb per 1,000 sq ft.

Item	Size	Price	3+	6+
ATTF5	5 lb	**$30.95**	**$30.22**	**$29.76**
ATTF25	25 lb	**$131.90**	**$129.54**	**$128.06**

LEONARD FAIRLAWN SHADE MIX

Fairlawn Shady is our best selling shade mix! It is reasonably priced and will work well in light to medium shade. No heavy fertilization is required! However, irrigation may be required for the shade areas with tree roots. If you are looking for results, do not be tempted by less expensive mixes which contain as much as 50%-70% of the poorer performing common red fescue. New Lawn: 6 lb per 1,000 sq ft. Overseeding: 3 lb per 1,000 sq ft.

Item	Size	Price	3+	6+
FLSH5	5 lb	**$42.10**	**$41.06**	**$40.41**
FLSH25	25 lb	**$189.40**	**$185.36**	**$182.84**

HUMIC DG CHARX, 40 LB

OMRI-listed (Organic).

Carbon-based soil amendment containing 50% high-quality humic acid and 50% granulated biochar. This combination provides the benefit of the quickly available humic acid, and the long-term soil building qualities of the biochar that will last for decades. Both Humic and BioChar add carbon into the soil and increase microbial activity, resulting in greater nutrient holding in the soil and better processing in the plant. HumiChar features Dispersible Granule (DG) Technology, which allows particles to disperse when watered. The DG Technology helps the humic acid, and especially the biochar, move past the thatch layer of your lawn or the mulch in your garden bed, and into the soil. Ship wt 40 lb.

HUMCHAR **$74.95** **3+ $73.26** **6+ $72.21**

PENNMULCH, 5 BAGS/PALLET

PennMulch
Seed Accelerator
LebanonTurf

PennMulch Seed Accelerator is a pelleted seed establishment mulch comprised of recycled newsprint, starter fertilizer and Moisture Cell Technology - a patented super-absorbent polymer. Adaptable to any soil type, PennMulch is ideal for establishing a thicker, healthier lawn in one convenient application. **Sold by the pallet of 5 bags.** SHIPS MOTOR FREIGHT.

215557P **$87.61**

Soil Moist
SEED COAT
Ideal for Grass Seed & More
Treats 50 lbs of Seed
Increases Seed Establishment
Retains Moisture On The Seed
Net. Wt. 8oz. (227g)

SOIL MOIST SEED COAT 8OZ

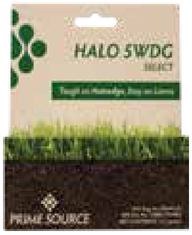
Soil Moist Seed Coat is water storing polymer / graphite compound that is designed to coat grass seed to help increase germination and seed establishment while reducing germination time. Simply mix the dry Seed Coat material with the seed. 8 oz treats 50 lb of seed. Ship wt .5 lb.

SMSC8 **$7.99** **3+ $7.83** **6+ $7.73**

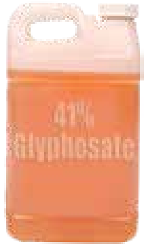
PRE-EMERGENT HERBICIDES: TURF AND ORNAMENTALS

PRODUCT	PRODUCT FEATURES	CONTROLS	ORDER INFO
	DIMENSION .25G **BOTH, Pre-Emergent and Post-Emergent Selective Herbicide** (Dithiopyr .25%) 50 lb bag covers 14,700 sq ft at medium coverage.	Crabgrass, goosegrass, foxtail, spurge, poa annua, Dallisgrass, chickweed, clover, dichondra, marestail, spurge, purslane & more.	50 lb bag. Granular herbicide for use in well established lawns, ornamental turfs or golf courses for the control of crabgrasses and other annual grasses and broadleaf weeds. Can also be used over the top of field-and container grown nursery and landscape ornamentals. 40 bags per pallet. Ship wt 50 lb. **ADMDG50 $55.45 3+ $54.76 6+ $54.33**
	19-0-6 FERTILIZER WITH BARRICADE PRE-EMERGENT HERBICIDE Apply before weed seeds break dormancy for best results.	**Fertilizer:** Nitrogen 19% Potassium 6% **Weed Control:** Prodiamine 0.21%	50 lb bag, covers 7-14,000 sq ft. Strong in nitrogen, this blend does an exceptional job for that spring greenup. 50% of the total nitrogen is derived from NutriSphere-N, a proprietary nitrogen management tool that has been proven to prolong desirable turf color up to 8 weeks. With an active ingredient of prodiamine, the pre-emergent herbicide will provide excellent pre-emergent control of grassy and broadleaf weeds in established turfgrasses and lawns. Ship wt 50 lb. **Broadcast.** **A19NBR50 $62.85 3+ $60.84 6+ $59.58**
	PROPENDI DG **Pre-Emergent Herbicide** (1.71% Pendimethalin)	Crabgrass, foxtail, johnsongrass, bluegrass, witchgrass, chickweed, clover, pigweed, pursland, smartweed, velvet leaf and more!	The Anderson's Propendi DG is an effective pre-emergent herbicide used to control many grassy and broadleaf weeds in turfgrass, ornamentals, tree plantations, and non-cropland areas. The dispersible granule technology self incorporates with irrigation or rainfall. The active ingredient, Pendimethalin works by inhibiting plant cell division and cell elongation, preventing the radicle formation of weed seeds. Ship wt 40 lb. **APT86374 $45.15 4+ $43.95 8+ $43.20**
	SNAPSHOT 2.5 TG **Selective, Pre-Emergent Herbicide** (2% Trifluralin, .5% Isoxaben) Apply anytime prior to germination of target weeds. Covers 10,869 - 21,739 sq ft.	Aster, annual bluegrass, bursage, clover, crabgrass, fleabane, henbit, lambsquarters, pigweed, plantain, purslane, sowthistle, speedwell, and more.	50 lb bag. Specialty pre-emergent herbicide for control of certain broadleaf weeds and annual grasses in container and landscape ornamentals, nursery stock, and non-crop areas. 40 bags per pallet. Ship wt 50 lb. **Not recommended for turf grass weed control.** **SS50 $154.85 4+ $150.17 8+ $147.25**
	SNAPSHOT DG **Selective, Pre-Emergent Herbicide** (2% Trifluralin, .5% Isoxaben) Apply prior to germination of target weeds or immediately after cultivation. Rainfall or irrigation needs to occur within 3 days of application to be most effective. Covers 5,434-10,869 sq ft.	Aster, annual bluegrass, bursage, clover, crabgrass, fleabane, henbit, lambsquarters, pigweed, plantain, purslane, sowthistle, speedwell, and more.	25 lb bag. Specialty pre-emergent herbicide for control of certain broadleaf weeds and annual grasses with patented dispersible granules that quickly disperse when watered in. Use in container and landscape ornamentals, nursery stock, Christmas trees, groundcovers, perennials, and more. 84 bags per pallet. Ship wt 25 lb. **Not recommended for turf grass weed control.** **ADGSS $97.05 4+ $94.54 8+ $92.97**
	GEMINI® GRANULAR WITH R-50 OPTIMIZER™ **Selective, Pre-Emergent Herbicide** (.40% Prodiamine and .25% Isoxaben)	120 grasses and broadleaf weeds such as Annual bluegrass, bittercress, chickweed, crabgrass, foxtail, goosegrass, groundsel, henbit, oxalis, spurge & more	50 lb bag. Gemini Granular with Patent pending R-50 Optimizer is a powerful flexible weed management tool that controls 120+ weeds with a low risk of Phytotoxicity and gives Gemini Granular the power to stop weeds with less active ingredient, allowing the weed manager to make more applications per year. Apply from 100 lb low rate per acre to a high rate of 200 lb per acre. Cannot ship to CA, NY **GEM50LB $122.50 4+ $120.43 8+ $119.14**
	GEMINI® 3.7 SC HERBICIDE **Selective, Pre-Emergent Herbicide** (23.3% Prodiamine, 15.5% Isoxaben) Can be applied over the top of many crops, including shrubs and perennials. See label for rate details.	120 grasses and broadleaf weeds such as Annual bluegrass, bittercress, chickweed, crabgrass, foxtail, goosegrass, groundsel, henbit, oxalis, spurge & more	2.5 Gallon Jug. Two trusted actives in a convenient pre-mixed formulation that can be applied in spring or fall for season-long weed control. Ideal for ornamental field production, container production, Christmas tree farms established turfgrasses and more. Cannot ship to CA, NY. Ship wt 21 lb. **GEM25G $2,444.15 4+ $2,414.81 8+ $2,396.48**

POST-EMERGENT HERBICIDES: TURF

PRODUCT	PRODUCT FEATURES	CONTROLS	ORDER INFO
	**HALO 5WDG SELECT SEDGE + BROADLEAF KILLER** **Selective Herbicide** (Halosulfuron-methyl 5%) 1-2 pouches in 1-2 gallons of water to treat 1,000 sq. ft.	Sedges such as purple and yellow nutsedge, Kyllinvga spp. and certain broadleaf weeds.	0.5 oz pouch. Halo 5WDG Select™ can be applied to commercial and residential turfgrass and on other non-crop sites. Post-emergent control of yellow and purple nutsedge. Economical alternative to SedgeHammer®. Ship wt .5 lb. **HALDG05 $16.35 3+ $15.98 6+ $15.75**
	HALO 75WDG SEDGE + BROADLEAF KILLER **Selective, Post-Emergent Herbicide** (Halosulfuron-methyl 5%) 0.66-1.33 oz/acre.	Formulated specifically to kill nutsedge and other broadleaf weeds without injury to turfgrasses, established ornamentals, shrubs, or trees.	1.33 oz pkg. Halo 75WDG Select™ can be used in both warm-season and cool-season turfgrasses, landscaped areas, and other listed non-crop sites. Post-emergent control of yellow and purple nutsedge. Economical alternative to SedgeHammer®. Ship wt .5 lb. **HALDG75 $70.25**
	SPEED ZONE® **Selective Post-Emergent Herbicide** (Carfentrazone-ethyl, 2, 4-D, 2-ethylhexyl ester, Mecoprop-p acid, Dicamba) .75 to 1.8 fl oz per gallon of water.	Spurge, pennywort (dollarweed), dandelion, white clover, henbit, nettle, ragweed, velvetleaf, wild carrot, wild garlic, yarrow, and many more.	1 gallon jug. Broadleaf herbicide for use in turf. Great for use in ornamental turf, golf courses, lawns, cemeteries or parks. Superior cool-season turfgrass performance, but also performs well with warm-season turfgrass such as bermudagrass and zoysiagrass. Ship wt 11 lb. **65476 $144.95**
	SUPER TRIMEC® HERBICIDE **Selective, Post-Emergent Herbicide** (2, 4-D, 2 4-DP, Dicamba) 1.5 tablespoons to one gallon of water, covers 1,000 square feet.	Clover, spurge, oxalis, wild violet, creeping speedwell, ground ivy and more.	1 gallon jug. For turf professionals to control broadleaf weeds. Weather is not a problem, whether a sudden rain or a rise or drop in temperatures, it will remain active and provide control. For use on residential and ornamental turfgrass sites and sod farms. Ship wt 10 lb. **78566 $149.95**
	TRIMEC CLASSIC® **Selective, Post-Emergent Herbicide** (2, 4-D, MCPP, Dicamba) 1.2 to 1.5 fl oz to 6 gallons of water per 1,000 sq ft.	Dandelions, plantain, thistle, clover, ground ivy, henbit, lambsquarters, poison ivy, purslane, ragweed, white clover, wild strawberry and more.	2.5 gallon jug. Now in a low odor formula for post-emergent broadleaf weed control in turf: golf courses, residential lawns, cemeteries and public parks from spring or early fall applications when weeds are actively growing. Ship wt 26 lb. **88126 $177.30**
	TRIAD SELECT **3-Way Herbicide** (2,4-D 30.89%, MCPA 8.23%, Dicamba 3.77%)	A wide variety of hard-to-kill broadleaf weeds such as dandelion, clover and plantain.	Triad Select ™ utilizes a combination of three selective herbicides and has been demonstrated through university trials, to be an effective solution that can be safely applied to both cool and warm season grasses. Combined power of three selective herbicides. 1 Quart. Ship wt 3 lb. **TRIADQT $28.49 3+ $27.90 6+ $27.53** 1 Gallon. Ship wt 10 lb. **TRIADG $53.15 3+ $52.50 6+ $52.09**

POST-EMERGENT HERBICIDES

PRODUCT	PRODUCT FEATURES	CONTROLS	ORDER INFO
	**41% GLYPHOSATE** **Non-Selective Post-Emergent Herbicide** (41% Glyphosate) Mix 2-1/3 oz per gallon of water for 2% solution. Each jug makes approximately 120 gallons of 2% solution. See label for crop and timing of applications.	Annual weeds, perennial weeds, woody brush and trees.	A broad spectrum herbicide joined with a surfactant for the best performance. No soil residue activity. Weeds emerged from seed after application will not be controlled. Rapidly rain-fast. (Note: A.M. Leonard carries various equivalent brands.) **Limited Quantities.** **CL41Q** 1 Qt **$34.00** **3+ $32.91** **6+ $32.23** **CL411** 1 Gal **$65.60** **CL41** 2.5 Gal **$149.75**
FUSILADE II	**FUSILADE II TURF AND ORNAMENTAL HERBICIDE** **Selective, Post-Emergent** (24.5% Fluazifop-P butyl) Spot application mix rate is 3/4 oz per gallon of water plus 1/2 oz of non-ionic surfactant.	Annual and perennial grass weeds such as barnyardgrass, bermudagrass, crabgrass, downy brome, fall panicum, field sandbur, giant foxtail, goosegrass, Johnsongrass, witchgrass, & more.	1 quart jug. A Post-Emergent systemic herbicide to selectively control annual and perennial grasses in ornamentals and certain turf grasses. Does not control broadleaf weeds or sedges. Can be applied directly over the top of ornamentals. Requires the use of a non-ionic surfactant or wetting agent and is rainfast in as little as 1 hour. Ship wt 2.3 lb. **FUS2** **$119.90**
Roundup QuikPRO	**ROUNDUP QUIKPRO®** **Non-Selective Post-Emergent Herbicide** (73.3% glyphosate and 2.9% Diquat dibromide) Formulated in easy-mix 1.5 oz packs (each pack makes 1 gallon of 2% solution) or 6.8 lb jug with measuring cap (makes 72 gallons of 2% solution). See label for crop and timing of applications.	Annual weeds, perennial weeds, woody brush and trees.	Formulated as a water soluble granule with a surfactant that has no soil residue activity. Provides complete broad-spectrum control of annual weeds, perennial weeds, woody brush and trees in non-crop areas and industrial sites. **Limited Quantities.** (5) 1.5 oz Dry Packs **RUQ15** **$28.80** **3+ $28.36** **6+ $28.08** Granules, 6.8 lb Jug **RUQ68** **$179.30** **3+ $176.51** **6+ $174.77**
Roundup PROMAX	**ROUNDUP PROMAX®** **Non-Selective Post-Emergent Herbicide** (48.7% Glyphosate) Average mix rate is 2 oz per gallon of water. See label for crop and timing of applications.	Annual weeds, perennial weeds, woody brush and trees.	2.5 Gallon jug. A broad spectrum herbicide for weed control with no soil residual activity. Penetrates the leaves and moves to the roots for complete control. For use in non-crop, industrial, turf and ornamental weed control. Ship wt 20 lb. **Limited Quantities.** **RUPM25** **$199.45** **3+ $196.69** **6+ $194.97**
	X OUT - GLUPHOSINATE HERBICIDE **Post Emergent, Non-Selective Herbicide** (Glufosinate ammonium 24.5%)	Kills marestail + many other hard to kill grasses, sedges, and broadleaf weeds.	X Out mixes readily with water to be applied as a spray for the control of broadleaf weeds and grasses. A group 10 herbicide (glutamine synthetase inhibitor), **X-Out is a foliar active material with little to no soil residual activity.** Visual results showing within 2-4 days after application under good growing conditions. Brand Alternative: Finale®. **Limited Quantities.** **XOUTQT** 1 Qt **$49.15** **3+ $47.58** **6+ $46.59** **XOUTG** 1 Gal **$328.44** **3+ $322.50** **6+ $318.78** **XOUT2G** 2.5 Gal **$199.83**
	FINALE® **Non-Selective Post-Emergent Herbicide** (Glufosinate-ammonium) 2-4 fl oz. per gal. of water. Results in as little as 2-4 days.	Marestail, ragweed, lambsquarters, kochia, ryegrass and Benghal Dayflower, smartweed, shepardspurse, and many more.	2.5 Gallon jug. An outstanding alternative to glyphosate. Some weeds resist the effects of glyphosate, so Finale® is exactly what you need to get the job done! Mixes well with other pre-emergent herbicides for extended control. Finale® is a foliar-active material that shows best results when applied to weeds that are actively growing. Ship wt 23 lb. **FIN** **$333.20**

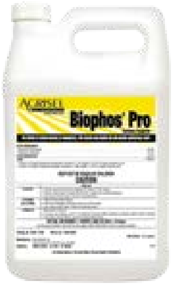
POST-EMERGENT HERBICIDES

PRODUCT	PRODUCT FEATURES	CONTROLS	ORDER INFO
	LEONARD SELECTIVE IRON™ BROADLEAF HERBICIDE Broadleaf weeds (dicotyledons) absorb more iron than grasses, causing oxidative stress in the plants cells eventually leading to plant death to only your lawn weeds. Results visible within hours of application.	A number of species of weeds, including but not limited to dandelion, moss, speedwell spp., white clover, English daisy, and common chickweed.	A.M. Leonard's Selective Iron™ Broadleaf Herbicide is a natural mineral-based iron chelate solution. This product is perfect for homeowners and businesses to control broadleaf weeds, the natural way in their lawns. **Ready to use.** 1 Quart. Ship wt 2.25 lb. **98997 $21.00 3+ $20.33 6+ $19.91** 1 Gallon. Ship wt 9 lb. **98998 $66.74 3+ $64.60 6+ $63.27**
	FIESTA **Selective,** **Post Emergent Herbicide** (26.52% Iron HEDTA) 5 oz. Fiesta to 1 gallon of water.	Black medic, plaintain, bull thistle, chickweed, dandelion, moss, liverworts, oxalis, white clover and more.	1 Gallon jug. Low risk turf broadleaf weed killer for homeowners or businesses. A mineral based herbicide of Iron chelate works because broadleaf weeds (dicots) absorb more iron than grass (monocots), therefore this is a selective herbicide that causes oxidative stress within the plant at the cellular level that causes tissue necrosis and plant death. Fast acting, results in 24 – 48 hours. Rainfast within 3 hours. Ship wt 11.6 lb. **613924 $91.79 3+ $89.39 6+ $87.89**
	FINALSAN **OMRI listed.** **Non-Selective,** **Post-Emergent Herbicide** (22.10% Ammoniated soap offatty acids) 1 part product to 5 parts water.	Moss, algae, grass, chickweed, lamb's quarters, mustard, plaintain, mallow and more.	2.5 Gallon jug. Low—risk herbicide for use in non—crop areas such as roadsides, around buildings, outdoor ornamental growing areas or fruit bearing plants. Herbicidal soaps penetrate the waxy cuticle of plants, causing them to dehydrate and die, but it will not translocate to underground portions of a plant or harm bark of mature, woody plants. Avoid contact of solution on desirable fruit and foliage. Ship wt 20.9 lb. **613857 $93.29 3+ $91.31 6+ $90.07**
	AVENGER AG® ORGANIC **OMRI Listed.** **Organic, Non-Selective** **Post-Emergent Herbicide** (55% d-limonene plus a surfactant) 6 to 1 ratio of Avenger to water for more coverage than other concentrated formulas. Mix 20 fl oz per gallon.	Annual bluegrass, dandelion, clover, crabgrass, Bermuda grass, sow thistle, bindweed, Johnson grass, shepards purse, little mallow and more.	Fast, effective burndown herbicide for organic production. Avenger AG® is a broad spectrum weed killer that contains a citrus extract. For best performance completely cover target weeds because the product will not translocate. It will only affect portions of plants that are coated with spray solution. **AV32Q** 1 Qt **$47.94 3+ $46.70 6+ $45.92** **AVGG** 1 Gal **$108.45** **AVG25** 2.5 Gal **$259.55**
	HORTICULTURAL VINEGAR **Natural Acidifying Agent** (Acetous fermentation of ethyl alcohol from grain, contains 20% acetic acid, plus Yucca extract for a natural surfactant) A 1:1 mix ratio with water is usually adequate. Use full strength for tough jobs. Use on calm days to prevent drift.	Many uses as an acidifying agent.	1 Gallon jug. An effective alternative to harsh chemicals. Ship wt 9 lb. **BVG $34.99 3+ $33.87 6+ $33.17**

GENERAL FUNGICIDES

PRODUCT	PRODUCT FEATURES	CONTROLS	ORDER INFO
	LEONARD DISEASE SHIELD™ COPPER SOAP (Copper) 5.2 oz per 1 gallon of water.	Anthracnose, leaf spot, blight, soft rot, powdery mildew, bacterial leaf spot, and more.	A.M. Leonard's Disease Shield™ Copper Soap is your solution to disease control. The active ingredient, Copper, is a natural method to control diseases. Copper ions are released from the copper soap and water mixture sprayed on the plants each time the plant surface becomes wet. This provides residual protection against disease, protecting your crop continuously. Available in quart and gallon sizes. 1 Quart. Ship wt 2.25 lb **98993 $36.50 3+ $35.33 6+ $34.60** 1 Gallon. Ship wt 9 lb **98994 $129.99 3+ $125.83 6+ $123.23**
	REGALIA® ORGANIC BIO-FUNGICIDE **OMRI listed.** **Biofungicide** (Extract of Reynoutria sachalinensis 5.0%)	Powdery Mildew, Fusarium, Early Blight, Rhizoctonia spp., Brown Rot, Anthracnose, Pythium, and more!	1 Gallon jug. Regalia® advanced biofungicide activates a plant's natural defenses against a variety of fungal and bacterial diseases resulting in higher quality and yields. Regalia® products are active against both soilborne and foliar pathogens, delay the development of resistance, and help minimize chemical residues. The active ingredient, Reynoutria sachalienensis, is an extract from Giant Knotweed. Ship wt 10 lb. **REG1G $163.00 3+ $159.96 6+ $158.06**
	MONTEREY COMPLETE DISEASE CONTROL **OMRI listed.** **Biofungicide/Bactericide** (Bacillus amyloliquefaciens strain D747) Use as a foliar spray or soil drench at a rate of 1 teaspoon per gallon of water. Can be applied up to and including the day of harvest.	Powdery mildew, leaf spot, anthracnose, gray mold and more.	Broad spectrum preventative biofungicide/bactericide for control and suppression of fungal and bacterial plant diseases in the home garden, vegetables, ornamental and fruit trees, shrubs and lawns. 1 Pint. Ship wt 1 lb **LG3374 $21.95** 1 Quart. Ship wt 2 lb **LG3176 $33.00 3+ $32.28 6+ $31.84** 1 Gallon. Ship wt 9.6 lb **LG3382 $113.25 3+ $110.36 6+ $108.55**
	ORGANOCIDE™ PLANT DOCTOR **Systemic Fungicide** (Mono- and Di-potassium Salts of Phosphorous Acid) Application rates vary from 3/4 to 6 teaspoons per gallon of water.	Root rot, downy mildew, fire blight, black spot, fusarium, phytophthora, pythium, canker blight and more.	1 Quart jug. Earth-friendly systemic fungicide that can be applied as a foliar spray, soil drench, soil incorporation, basal bark application and bare root dip. Use on ornamentals, turf, fruit and vegetables. Ship wt 3 lb. **PDSF $29.42 3+ $28.67 6+ $28.20**
	TERRANEEM® EC **OMRI listed.** (Cold Pressed Neem Oil 84.9%) Zero day to harvest.	**Insects:** Aphids, Armyworms, Leaf Hoppers, Mites, Thrips, Whiteflies, & more. **Diseases:** Alternaria, Blights, Botrytis, Powdery Mildew, Molds, Rusts, Scab & more. **Nematodes:** Dagger, Lesion, Reinform, Root-knot, Sting & more.	A broad—spectrum plant—derived biopesticide for the organic and sustainable management of insects and diseases. TerraNeem® EC is OMRI listed for organic use. Features & Benefits: Over 150 bioactive ingredients, including Azadirachtin. Multiple mode of actions, insect and fungal growth regulator, antifeedant and repellent. Soft on beneficials. 1 Quart. Ship wt 2 lb **ECQ010101 $49.25 3+ $48.11 6+ $47.40** 1 Gallon. Ship wt 8 lb **ECG040201 $63.48**

TREE FUNGICIDES

PRODUCT	PRODUCT FEATURES	CONTROLS	ORDER INFO
	**BIOPHOS® PRO** **Systemic Fungicide** (Dipotassium phosphonate and Dipotassium phosphate) For foliar applications mix 1/4 cup (2 oz) per gallon of water.	Pythium, helminthosporium leaf spot, magnaporthe summer patch, powdery mildew, bentgrass dead spot, root rot, alternaria fruit rot, rust, brown rot, greasy spot, late blight, downy mildew	Systemic fungicide with curative and protective activity against many pathogens of nursery, greenhouse, turf, bearing and non-bearing agricultural crops. It is quickly absorbed by plant foliage and roots. Once inside the plant, it turns on natural defense mechanisms to resist disease-causing pathogens and continues to protect new growth. **BPROQ** Quart **$24.40** **3+ $23.90** **6+ $23.58** **BPROG** Gallon **$64.60**
	CHLOROSEL PRO 720 CONTACT **Contact Fungicide** (Chlorothalonil) Spray volume will vary from 1-3/8 to 4 pints per 100 gallon of water.	Botrytis, anthracnose, septoria leaf spot, dollar spot, brown patch, downy mildew, scab, alternaria, fusarium, rhizoctonia, cylindrocladium stem canker and volutella leaf blight.	1 Gallon jug. A high quality, cost-efficient fungicide that contains a proven super surfactant and wetting agents for superior wetting and sticking on plant surfaces. Vegetable crops, small fruit, trees-fruit, nut, ornamental, evergreen, turf-golf course and sod farms. Ship wt 10 lb. **CP720** **$94.45**
	EAGLE® 20EW **Specialty Fungicide** (Myclobutanil) Preventative application rates are 1.2 to 2.4 oz per 1,000 sq. ft. Works best as a preventative in a regular maintenance program.	Anthracnose, septoria leaf spot, brown patch, fusarium blight, gray leaf spot, powdery mildew, rust and more.	1 Pint jug. A systemic, protectant and curative fungicide for disease control in established turfgrass, landscape ornamentals, greenhouse and nursery ornamentals, apple, stone fruits and grapes. It protects new foliage with systemic action by moving upward through the plant tissue as it grows, protecting new foliage and keeping plants healthy. Ship wt 1 lb. **EG16** **$59.61** **3+ $58.10** **6+ $57.16**
	AGRI-FOS® SYSTEMIC FUNGICIDE **Systemic Fungicide** (Mono-Potassium and Di-Potassium salts of Phosphorous Acid 45.8%) Rate varies, but for berries, use 1.25 to 3.5 quarts per 100 gallons of water per acre.	Phytophthora, Sudden Oak Death, pythium, fusarium, rhizoctonia, fire blight, downy mildew, Crown rot, and more.	Agri-Fos systemic fungicide is a preventative and curative spray for the control of diseases by soil drench, foliar spray soil incorporated, basal bark treatment and bareroot dip. Product labeled for vegetables, citrus, fruit, nuts, ornamentals, turf, conifers and more. **REL1Q** 1 Qt **$35.47** **3+ $34.56** **6+ $33.98** **REL1G** 1 Gal **$148.15** **3+ $143.41** **6+ $140.45** **REL25G** 2.5 Gal **$208.41** **3+ $203.27** **6+ $200.06**
	PENTRA-BARK® **Bark Penetrating Surfactant** (99.8% Alkylphenol ethoxylate, polysiloxane polyether copolymer) Use with insecticides, miticides, fungicides, herbicides, fertilizers and micronutrients.	Varies depending on accompanying chemical treatment needed. For insecticides, miticides and fungicides 6 to 32 fl oz per 100 gallons of spray mixture is recommended	Pentra-Bark is a penetrating surfactant that when applied to the base of trees will take water-soluble insecticides, fungicides, growth regulators and fertilizers into the vascular system of the tree, which will pull it into the foliage or roots. No need to spray foliage, do bark injections or drench soil. **PB1Q** Quart **$60.40** **3+ $58.94** **6+ $58.03** **PB1G** Gallon **$211.30** **3+ $205.95** **6+ $202.61**

MICRO-INJECTED FUNGICIDES

Micro-Injection Application Rate: Measure diameter of tree at breast height, divide by 2 to determine number of capsules.
2mL capsules = 2-10" DBH • 3mL capsules = 10-36" DBH • 4mL capsules = 36" DBH

PRODUCT	PRODUCT FEATURES	CONTROLS	ORDER INFO
	FUNGISOL™ FUNGICIDE MICRO-INJECTION	Anthracnose, Arborvitae Branch Canker, Birch Melanconium, Dieback, Coryneum Blight, Coryneum Canker, Diplodia Tip Blight, Dutch Elm Disease, Elm DieBack, Elm Wilt, Fusarium Wilt, Oak Decline Complex, Oak Wilt, Palm Bud Rot, Penicillium, Pink Bud Rot, Redwood Branch Canker, Verticillium Wilt and more.	Fungisol is a proprietary fungicide that has been developed by the JJ Mauget Co. for tree micro-injection use. Fungisol is effective on more than 30 diseases; Fungisol has demonstrated activity on soil borne wilt pathogens not effectively controlled with traditional fungicide drenches. Box of 24, 4 mL capsules **302QMJ $204.25 3+ $199.25 6+ $196.13** Box of 24, 6mL capsules **303QMJ $1,851.38**
	MYCOJECT™ ANTIBIOTIC MICRO-INJECTION	Ash yellows, bacterial leaf scorch, bunch disease, fire blight, leaf scald, palm lethal yellows, phloem necrosis, X-diseases.	Box of24, 6 mL capsules. Mycoject ™ Ultra, contains the antibiotic Oxytetracycline Hydrochloride in a completely enclosed micro-infusion system, is a systemic aid in the suppression of bacterial diseases in elm, red oak, palm, peach, pear and non-bearing pecan and plum trees. Ship wt 2 lb. **307QMJ $165.45 3+ $163.04 6+ $161.53**
	ALAMO® MICROINJECTION **Microinjection Fungicide** (ALSA® propiconazole 14.3 EC) Drill holes 1/4 - 1/2" into the xylem at intervals not to exceed 5" apart.	Oak wilt, dutch elm disease, sycamore anthracnose, cedar apple rust, scab, leaf diseases of flowering crabapples.	Box of 25, 12 ml bottles. Injectable broad spectrum fungicide is administered directly into the tree's vascular system, using a single dose applicator which is manually pressurized. Each funnel shaped dispenser is hermetically sealed to eliminate spray drift or groundwater contamination. Ship wt 12 lb. **TTMA $214.21 3+ $209.65 6+ $206.81**
	SYSTREX® NUTRIENT MICROINJECTION **Microinjection Fungicide/Micronutrient** (Bayleton® triadimefon). Drill holes 1/4 - 1/2" into the xylem at intervals 3" apart.	Rust, powdery mildew, leaf blight/spot, tip blight, anthracnose, vascular wilt	Box of 25, 12 ml bottles. Ready-to-use fungicidal/fertilizer injection for the treatment of trees in early to mid-stage decline. It contains a liquid fertilizer N-P-K with chelated iron and zinc for immediate plant uptake and triadimefon for control of Fusarium which commonly attack weakened trees such as shade trees and flowering trees. Ship wt 12 lb. **TTMS $252.63 3+ $245.90 6+ $241.69**

BIOFUNGICIDES

PRODUCT	PRODUCT FEATURES	CONTROLS	ORDER INFO
	ACTINOVATE® SP **OMRI listed.** **Biological Fungicide** (Streptomyces lydicus WYEC 108) 1 tsp. per 2 gallons of water, or 4-6 oz. per 100 gallons for soil drench.	Powdery and downy mildew, botrytis, alternaria, pythium, rhizoctonia, phytophthora, fusarium, verticillium, sclerotinia, and other root decaying fungi	18 oz bag. Biological fungus control concentrate of a patented beneficial bacterium in a 100% water-soluble powder. As a spray, it controls and suppresses foliar diseases. When used as a soil drench, it controls soilborne diseases. Because of the special properties of this microbe, it makes minerals and micronutrients more available to plants. This biological fungus control is compatible with chemical fungicides, insecticides, fertilizers and other biologicals. Use on turf, greenhouse and nursery crops. Ship wt 1.2 lb. **AV18 $120.80 3+ $119.22 6+ $118.23**
	MYCOSTOP® BIOFUNGICIDE **OMRI listed.** Rate varies by use and application method.	Alternaria and Rhizoctonia solani, Fusarium, Phytophthora, Pythium, Botrytis	Contains a naturally occurring bacterial strain isolated from sphagnum peat. It works by colonized your plants roots and deprives any pathogenic fungi of space and nourishment, and acts as a hyperparasite to disease pathogens. 0.18 oz. Ship wt: .1 lb. **MYC5 $36.90 3+ $36.37 6+ $36.03** 0.88 oz. Ship wt: .2 lb. **MYC25 $152.90 3+ $151.11 6+ $149.99**

GREEN BIO-INSECTICIDES

PRODUCT	PRODUCT FEATURES	CONTROLS	ORDER INFO
	VENERATE® **CG ORGANIC BIO-INSECTICIDE** **OMRI Listed** (Strain A396 cells and spent fermentation media 94.46%)	Aphids, armyworms, cabbage looper, mites, thrips, scale, leafhoppers, leafrollers, mealybug, caterpillars, fruitworm, and more!	Features multiple modes of action and is effective against a wide variety of pests. It is compatible with any IPM program and reduces insect resistance. **VENERQT** Quart Ship wt: 3 lb **$83.10** **VENER1G** Gallon Ship wt: 10 lb **$173.55**
	70% NEEM OIL **OMRI Listed** **Insecticide/Miticide/Fungicide** (70% Neem Oil) Mix rate of 1 oz. per gallon of water.	**Insects:** Whitefly, mealybug, armyworms, hornworms, leafhoppers, bagworms, leafminers, psyllids and more **Diseases:** Black spot, powdery mildew, downy mildew, anthracnose, rust, leaf spot, botrytis and more.	High quality, cold pressed Neem Oil has both insecticidal and fungicidal properties and controls. Use on roses, flowers, houseplants, ornamental trees and shrubs, fruit and nut trees and vegetables. **LG6145** 16 oz hose-end **$36.82** **3+ $35.80** **6+ $35.15** **LG6148** RTU 32 oz **$14.06** **3+ $13.84** **6+ $13.70** **LG6140** 16 oz Conc. **$32.02** **3+ $31.18** **6+ $30.66** **LG6142** Gallon **$179.95** **3+ $174.19** **6+ $170.59**
	MONTEREY B.T. **OMRI Listed** **Biological Insecticide** (Bacillus thuringiensis kurstaki)	Loopers, cabbage worms, tomato hornworms	Once ingested, Monterey B.T. causes disease in the digestive systems of worms and caterpillars. This sickness causes the insects to stop feeding and eventually die. Use Monterey B.T. Biological Insecticide on your fruits, vegetables, shade trees, and flowers. RTU Quart. Ship wt 2.4 lb. **LG6334** **$29.30** **3+ $28.52** **6+ $28.03** Conc. Quart. Ship wt 2.3 lb. **LG6336** **$27.85** **3+ $27.12** **6+ $26.67** Conc. Gallon. Ship wt 9.6 lb. **LG6344** **$100.60** **3+ $98.08** **6+ $96.50**
	RANGO BIOPESTICIDE **OMRI listed** (Cold Pressed Neem Oil - 70.0%)	**Insects:** Aphids, Maggots, Mealybugs, Mites, Thrips, Whiteflies **Diseases:** Alternaria, Blight (early, late, leaf), Botrytis, Downy mildew, Powdery mildew, Fusarium oxysporum, Rhizoctonia solani	Superior Emulsion & Stability Properties. Excellent Mixing & Handling Qualities. Protects a Wide Variety of Crops. Zero-day Pre-harvest Interval. 4-hour Re-entry Interva. Essential Integrated Pest Management (IPM) Tool. Quart. Ship wt: 2 lb. **RAQ120101** **$54.55** Gallon. Ship wt: 8 lb. **RAG040101** **$101.79** **3+ $100.54** **6+ $99.76**

BIOFUNGICIDES

PRODUCT	PRODUCT FEATURES	CONTROLS	ORDER INFO
	PRESTOP® BIOFUNGICIDE **OMRI listed.** **Gliocladium catenulatium** Rate varies by application and use, see label.	**Soil & Seed Borne Diseases:** Alternaria, botrytis, fuarium, phytophthora, pythium, verticillium, and more. **Foliar Diseases:** Alternaria, Anthracnose, Botrytis, Fusarium, Sclerotinia and more.	Prestop Biofungicide contains a casually occurring fungus called Gliocladium catenulatium Strain J1446. Prestop has multiple modes of action working to protect your plants from harmful diseases. Gliocladium catenulatum produces chitinase and glucanase enzymes that break down pathogenic cells walls, weakening them and allowing parasitization. 3.5 oz. Ship wt: .5 lb. **PRES100 $146.85 3+ $143.78 6+ $141.86** 35 oz. Ship wt: 2.5 lb. **PRES1KG $917.20**

TREE INSECTICIDES

PRODUCT	PRODUCT FEATURES	CONTROLS	ORDER INFO
	ACECAP SYSTEMIC INSECTICIDE IMPLANTS	Emerald Ash Borer	Contains acephate, an environmentally acceptable supplement to an insect control program where conventional applications are undesirable or impractical. 3/8" dia. Recent USDA and university tests prove that Acecap implants prevent and control Emerald Ash Borer in trees under 15" in diameter. Ship wt .5 lb. **AC10** 10/pkg **$15.94 3+ $15.60 6+ $15.39** **AC25** 25/pkg **$38.43 3+ $37.43 6+ $36.81** **AC475** 75/pkg **$99.75 3+ $97.05 6+ $95.36** AC Mini – Pack of ten 1/4" caps. For smaller caliper and indoor plants. **AC14** 10/pkg **$10.97 3+ $10.73 6+ $10.58**
	VIVID® II INJECTABLE **Systemic Insecticide for trees** (Abamectin 1%)	Adelgids, aphids, mites, scale, white pine weevil, oak worm, engraver beetle and more.	2 ml (Box of 25). Microinjection system for use on all species of ornamental and non-crop bearing trees and woody shrubs. The insecticide will be translocated throughout the vascular system of the plant. Ship wt 4 lb. **TTMV $190.11**
	CORETECH TREE AND SHRUB INSECTICIDE TABLETS **Systemic Insect Control and Fertilizer** (20% Imidacloprid-same active as Merit, 12-9-4 plus micronutrients) Rate varies, but for a one gallon container, apply 1-2 tablets.	Adelgids, aphids, adult Japanese beetles, flathead borers, lace bugs, leafhoppers, mealybugs, pine tip moth larvae, psyllids, sawfly larvae, soft scales, whiteflies and more.	250 ct. Long-lasting, systemic insect control in tablet form for containerized, newly planted and established ornamental trees and shrubs. Damaging insects won't stand a chance! Control over 20 piercing, sucking and chewing insects for up to 1 year. Each tablet contains a 12-9-4 fertilizer plus micronutrients that deliver valuable nutrients over time. Ship wt 1.6 lb. **CT250 $138.65**
	UP-STAR GOLD **Insecticide** (Bifenthrin 7.9%) Mix 1 oz per gallon of water.	Termites, ants, imported fire ants, flea larvae, ticks, cutworms, sod webworms, mites, bluegrass weevil, chinch bugs, mole crickets, earwigs, adult Japanese beetles and more	Control insect pests for agricultural, turf, ornamental, lawn and garden applications. Apply as a full coverage foliage spray. UP-Star® Gold insecticide has the same active ingredient bifenthrin as Talstar® P to control a broad spectrum of pests. **UPGQ** Tip-n-Pour Quart Ship wt: 3 lb **$41.25** **UPGG** Gallon Ship wt: 10 lb **$112.05**

TREE INSECTICIDES: MICRO-INJECTED

Micro-Injection Application Rate: Measure diameter of tree at breast height, divide by 2 to determine number of capsules.
2mL capsules = 2-10" DBH • 3mL capsules = 10-36"DBH • 4mL capsules = 36" DBH

PRODUCT	PRODUCT FEATURES	CONTROLS	ORDER INFO
	DENDREX® INJECTABLE **Systemic Insecticide for Trees** (Acephate 98%)	Aphids, scales, sawfly, beetles, tent caterpillar, gypsy moth larvae, root weevil adults, leafminers, bronze birch borer, Japanese beetle and more	5 ml (Box of 25). Tree Tech microinjection units with a broad spectrum insecticide administered directly into the trees vascular system. A single dose applicator made of two interlocking sections welded to a funnel-shaped dispenser tube hermetically sealed to eliminate spray drift or groundwater contamination. Ship wt 4 lb. **TTMD $177.94 3+ $175.16 6+ $173.43**
	ABASOL™ MICRO-INJECTED FUNGICIDE + INSECTICIDE (Debacarb 1.7% + Carbendazim 0.3% + Abamectin 0.46%)	Over 31 tree disease causing pathogens, long lasting control of over 14+ damaging insects including Spider Mites, many exotic introduced insects and Pine Nematodes causing Pine Wilt.	Abasol ™ is an exclusively developed combination product that combines an Insect (insecticide) and a Disease (fungicide) treatments into one simple application. An Abasol microinjection tree care treatment combines Mauget's Abacide (Abamectin) Insecticide with Mauget's patented Fungisol (debacarb) Fungicide. **401QMJ** Box of 24, 4mL capsules **$1,954.23** **518QMJ** Box of 24, 6 mL capsules **$267.80 3+ $260.98 6+ $256.71**
	DINOCIDE™ INSECTICIDE MICRO-INJECTION (Dinotefuran 12.0%)	Aphids, Black Vine Weevil (adult), Bronze Birch Borer, Elm Leaf beetle, Flatheaded Japanese Beetle, Lace Bugs, Pine Tip moth (larvae), Psyllids (including lerp psyllid), Scale insects, Spruce budworm, Thrips and more.	The first dinotefuran insecticde available for tree injection. Its active ingredients are translaminar and able to move from tree's xylem to its phloem, making Dinocide effective against pests such as longhorned borers. Works in as little as three days. Can be applied with other insecticides and fungicides. Provides season-long insect control with fast results. **212QMJ** Box of 24, 2mL capsules **$1,734.95** **213QMJ** Box of 24, 3mL capsules **$261.77 3+ $254.92 6+ $250.63** **214QMJ** Box of 24, 4mL capsules **$2,526.33**
	IMICIDE™ INSECTICIDE MICRO-INJECTION (Imidacloprid 10%)	Emerald Ash borer, citrus longhorned beetles, asian beetles, and more.	Imicide is used by the USDA , state and city governments in prevention and eradication programs for Asian and Citrus Longhorned Beetles. Research shows that Imicide is one of the most effective preventative and multi-season control treatments. **202QMJ** Box of 24, 2mL capsules **$186.90 3+ $183.11 6+ $180.75** **203QMJ** Box of 24, 3mL capsules **$1,789.85** **204QMJ** Box of 24, 4mL capsules **$1,891.22**
	IMISOL™ INSECTICIDE MICRO-INJECTION (Debacarb 1.7% + Imidacloprid 5.0%)	Provides disease suppression of over 30 tree disease pathogens and long long lasting control / suppression of over 37+ damaging insects including many exotic introduced insects.	IMISOL is one of the two Mauget's exclusively developed combination insect and disease microinjection tree care treatment products that combines Mauget's patented Fungisol (debacarb) Fungicide, with Mauget's Imicide (Imidacloprid) Insecticide. Imisol is registered on over 31 tree species. **402QMJ** Box of 24, 4mL capsules **$1,593.77** **403QMJ** Box of 24, 6mL capsules **$1,741.95**

INSECT TRAPS

	CODLING & FRUIT MOTH TRAP Place traps with lures just before trees are in full bloom and will extend for 8 weeks.	Codling moths	Reduce wormy apples! Codling moth larvae bore into fruit and cause unappetizing 'wormy apples'. Oriental Fruit Moth larvae attack both fruit and young shoots. They are also pests of apricots, almond, plum, cherry, peach, quince and english walnuts. This monitoring trap contains a dual pheromone to attract both moth types to the sticky surface inside the trap. Each package contains 2 traps and 2 lures. **P3435 $24.31 3+ $23.54 6+ $23.05**
	CUCUMBER BEETLE TRAP Place trap at crop height One trap with lure will cover a 2,000 sq. ft. area.	Cucumber Beetles, and Southern Corn Rootworms	Both the larvae and adults can do substantial damage to vegetable crops, especially cucumber, cantaloupe, pumpkin and watermelon. Lure was developed from research done at Oregon State University. Package contains 2 traps and 2 lures. Lure is attractive for 3-4 weeks. **CB3436 $18.21 3+ $17.87 6+ $17.66**
	STINK BUG DEAD INN™ TRAP Keep up off the ground so stink bugs can enter in through the bottom. Replace every 4-5 weeks with SB3442 replacement lure.	Stink Bugs	The Dead Inn™ stink bug trap uses pheromone technology that lures 2nd to 5th stage nymphs and adult stink bugs. **SB3441** Trap **$36.07 3+ $35.30 6+ $34.82** **SB3442** Replacement Lures **$14.38 3+ $14.05 6+ $13.85**
	LEONARD **DOUBLE SIDED INSECT TRAPS**	**Yellow Side:** Traps and monitors whiteflies, fungus gnats, shore flies, winged aphids, leafminers, scale, and many others. **Blue Side:** Traps and monitors flying adult thrip populations.	**2-in-1!** Yellow on one side, and blue on the other. Pests are attracted to different colors, which is why we have made our Leonard sticky traps to be yellow and blue, yielding the best results. Ship wt .25 lb. **Sold in packs of 25.** **AM-YB25 $47.87 3+ $46.34 6+ $45.38**

KEEP THE BUGS OUT!

PROTEKNET INSECT NETTING

Eliminate or reduce pesticide use with Proteknet insect netting. Available in several sizes to meet your production needs. It can be used in fields, as large tunnels or in greenhouses as a substitute for plastic film. Mesh size is .35mm x .35mm, keeping out insects such as aphids, Japanese beetles, leafhoppers, sawfly, thrips, whitefly and many more. Finished edges of this UV treated, knitted netting won't unravel and will last 2-3 years maybe longer depending on use and storage. Water and airflow is unobstructed. Approximately 90% light transmission and 62% porosity. Also protects against rabbits, bird, deer, frost and hail.

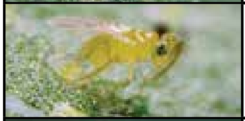
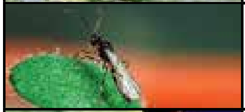
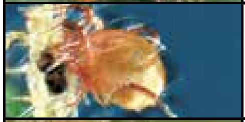
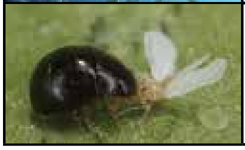
Item	Overall	Ship wt	Price
PKN6932	6.9′ x 32′	1.25 lb	**$54.52**
PKN69328	6.9′ x 328′	12 lb	**$417.91**
PKN69820	6.9′ x 820′	29 lb	**$945.40**
PKN14328	14′ x 328′	24.5 lb	**$741.47**
PKN21328	21′ x 328′	35 lb	**$1,175.32**

GENERAL INSECTICIDES

PRODUCT	PRODUCT FEATURES	CONTROLS	ORDER INFO
	ACEPHATE 97UP **Systemic Insecticide** (97% Acephate) Mix 1/3 to 1-1/3 teaspoon per gallon of water.	Fireants, aphids, leafhoppers, thrips, whitefly, armyworms, European corn borers, cutworms and more.	1 lb bag. Water-soluble insecticide that is readily absorbed by plant roots and foliage to give systemic control of feeding insects. Cost efficient, low odor insecticide that controls over 125 different insects in crop and non-crop areas of agriculture, turf, ornamental. Ship wt 1 lb. **ACP97 $24.35 3+ $23.79 6+ $23.44**
	DIATOMACEOUS EARTH **Natural Insecticide Powder** (Diatomaceous Earth) Apply a thin layer of dust up to 5 lb per 3,111 sq ft or create a slurry of 1.65 lb per gallon of water for outdoor spraying. For indoor use, lightly coat cracks and crevices.	Cockroaches, ants, earwigs, millipedes, grasshoppers, crickets, fleas, bedbugs, grain weevils and more.	An all natural indoor/outdoor crawling insect killer. Insects come into contract or ingest this powder and die within 48 hours. Use in and around residential, commercial and agricultural buildings, livestock houses, on crops or stored grain. Ship wt 5 lb. **BON121 $19.95 3+ $19.68 6+ $19.51**
	DUOCIDE INSECT CONTROL ON DG PRO **Granular Insecticide** (Bifenthrin and Carbaryl) 40 lb bag covers 20,000 sq ft.	White grubs, armyworms, cutworms, sod webworms, annual bluegrass weevil, billbug, ants, centipedes, fleas, millipedes, ticks, deer ticks and more.	40 lb bag. For control of select surface and subsurface pests on turfgrass in residential lawns, parks, athletic fields, in and around flower beds, ornamental plantings and around buildings. Duocide is a patent pending synergistic combination of insecticides Bifenthrin (Talstar®) and Carbaryl (Sevin) for both a preventative and a curative. 50 bags to a pallet. Ship wt 40 lb. **ADUDG $62.42 3+ $61.07 6+ $60.23**
	GRUBOUT® DG INSECTICIDE **Systemic Insecticide** (0.2% Imidacloprid) **Turfgrass:** 3-4.5 lb per 1,000 sq ft. **Greenhouse:** 4.5 lb per 1,000 sq ft of benches or beds **Nursery Ornamentals:** 4.5 lb per 1,000 sq ft applied as a narrow band (with no overlap)	White grubs and 27 ornametal insect pests such as Aphids, Root Weevil, Whiteflies, Japanese Beetles, Fungus Gnats and much more	Features the DG - Dispersible Granular technology for systemic insect control. . 40 lb bag **AGODG $39.44 3+ $38.84 6+ $38.46**
	MILKY SPORE POWDER **OMRI listed** **Organic Insecticide** (Spores of Bacillus popilliae) 10 oz powder will treat 2,500 sq ft. 20 lb of granular treats up to 7,000 sq ft.	Japanese beetle grubs.	20 lb granular. Naturally occurring bacterium will kill Japanese beetle grubs feeding on tender grass roots. Attacks before they can hatch and destroy your lawn and plants. Insects are infected by the spores during feeding. Once infected, the grubs die and decay, releasing billions of new spores into the soil. Use in turf, landscape, flower beds and vegetable gardens. **Can not ship to WA, OR.** **800802 $81.25 3+ $78.65 6+ $77.03**

BENEFICIAL INSECTS

All BioBee Beneficial Insects must ship 2 day air. Call 1-800-543-8955 order or visit amleo.com for details.

PRODUCT	PRODUCT FEATURES	CONTROLS	ORDER INFO
	BIOAPHIDIUS *(Aphidoletes aphidimyza)* Hang on plants near infested area	Aphids	Parasitic wasp targets aphids as hosts during reproduction. **1545111BBI** 500 **$25.70 3+ $25.04 6+ $24.63**
	BIOAPHIDOLETES *(Aphidoletes aphidimyza)* Apply to infested area	Aphids	Midge larva injects aphid with a toxin before consuming it. **1603211AGR** 1K **$48.16 3+ $47.34 6+ $46.82**
	BIOCRYPTOLAEMUS *(Cryptolaemus montrouzieri)* Apply near infested area	Mealy Bugs	Predatory beetle. **1403111BBI** 500 **$214.28 3+ $207.42 6+ $203.14**
	BIOCUCUMERIS *(Neoseiulus cucumeris)* Apply 1 sachet per 10 sq ft	Thrips, Spider Mites	Predatory mite. **1312111AGR** 250 sachets **$120.90 3+ $118.22 6+ $116.54**
	BIODIGLYPHUS *(Diglyphus isaea)* See label for application rates	Leaf Minors	Parasitic wasp lays eggs near leaf minor larvae. **1505011BBI** 500 **$110.19 3+ $107.63 6+ $106.02**
	BIOENCASIA *(Encarsia formosa)* Apply 1-1/2 per 10 sq ft	White Flies	Parasitic wasp targets whiteflies as hosts during reproduction. **1413011AGR** 5K **$46.49 3+ $45.60 6+ $45.05**
	**BIOERETMOCERUS** *(Eretmocerus eremicus)* Apply 1-1/2 per 10 sq ft	White Flies	Parasitic wasp lays eggs near immature whiteflies. **1463011BPT** 3K **$44.19 3+ $43.40 6+ $42.90** **1460311BPT** 5K **$54.27 3+ $53.20 6+ $52.53**
	**BIOERVI** *(Aphidius ervi)* Apply 2-1/2 to 22 per sq ft	Aphids	Parasitic wasp targets aphids as hosts during reproduction. **1555211AGR** 250 **$59.53 3+ $57.87 6+ $56.84**
	BIOORIUS *(Orius insidiosus)* See label for application rates	Aphids, White Flies, Thrips, Spider Mites	Predatory bug. **1700051BPT** 500 **$49.32 3+ $47.96 6+ $47.11** **1700111BPT** 1K **$71.19 3+ $69.76 6+ $68.87**
	**BIOPERSILMILLIS** *(Phytoseiulus persimilis)* See label for application rates	Spider Mites	Predatory mite. **1101011BBI** 2K **$17.73 3+ $17.24 6+ $16.94** **1102011BBI** 4K **$30.44 3+ $29.66 6+ $29.17**
	BIOSWIRSKII *(Amblyseius swirskii)* See label for application rates	White Flies, Thrips, Spider Mites	Predatory mite. **1202011AGR** 125K **$257.03 3+ $252.70 6+ $250.00**
	BIOHB *(Heterorhabditis bacteriophora)* Dilute with water and apply as a spray or drench	Flea Beetles, Grubs, Black Vine Weevils	Beneficial nematode. **2331311ENE** 50MM **$89.66 3+ $86.79 6+ $85.00** **2335511ENE** 500MM **$184.88 3+ $180.60 6+ $177.93**
	**BIOLACEWING** *(Chrysoperla sp.)* Apply 5,000 to 50,000 per acre	Aphids, Thrips, Spider Mites, Mealy Bugs	Predatory in larval stages. **1470041BEN** 400 **$36.64** **1470111BEN** 1K **$84.07 3+ $81.89 6+ $80.53** **1470511BEN** 5K **$129.99 3+ $128.24 6+ $127.14**

DIAMONDBACK HERBICIDE SHELLS FOR EZ-JECT HERBICIDE SYSTEM

(Glyphosate 83.5%)
EZ-Ject herbicide shells control dozens of varieties of trees and woody vegetation. Shells are packaged 25 to a tube with 48 tubes contained in each 1200 shell box. Load shells into EZ-Ject lance, screw on end cap, and begin injecting. Lance shaft contains four chambers into which shells are loaded. Fully loaded, the lance weighs less than 10 lb. Use year-around, unless bark is frozen to the point of preventing shell penetration. Use in all weather conditions, including rain. Insert one shell every 2" to 4" around the circumference of the tree. See chemical labels for details. **Controls:** A variety of ornamental trees as well as poison ivy, and poison oak. See amleo.com for complete list of plants controlled.

EZSHELL-DIAMONDBACK	**$293.15**

COPPERHEAD HERBICIDE SHELLS FOR EZ-JECT HERBICIDE SYSTEM

(Imazapyr 83.5%)
EZ-Ject herbicide shells control dozens of varieties of trees and woody vegetation. Shells are packaged 25 to a tube with 48 tubes contained in each 1200 shell box. Load shells into EZ-Ject lance, screw on end cap, and begin injecting. Lance shaft contains four chambers into which shells are loaded. Fully loaded, the lance weighs less than 10 lb. Use year-around, unless bark is frozen to the point of preventing shell penetration. Use in all weather conditions, including rain. Insert one shell every 2" to 4" around the circumference of the tree. See chemical labels for details. **Controls:** Woody brushes and trees, as well as vines such as honeysuckle, Virginia creeper, wild grape and wild rose. See amleo.com for complete list of plants controlled.

EZSHELL-COPPERHEAD	**$331.90**

EZ-JECT LANCE

The fastest, easiest way to selectively kill trees, stumps, woody brush. Foresters, utility managers, and agricultural producers now have an efficient, effective, economical way to control unwanted woody vegetation. A single compression stroke of the EZ-Ject lance head drives the shell through the bark and into the cambium layer of the tree. Once in the cambium, the tree's sap dissolves the chemical which is taken up into the tree killing roots, trunk, and foliage. Fully loaded, the EZ-Ject lance weighs less than 10 lb. Gravity-fed, spring-loaded head injects shells through bark with minimal operator effort.

EZLANCE-5	Standard	**$758.00**
EZLANCE-4	Short	**$758.00**
EZLANCE-2	Bull Dog	**$758.00**

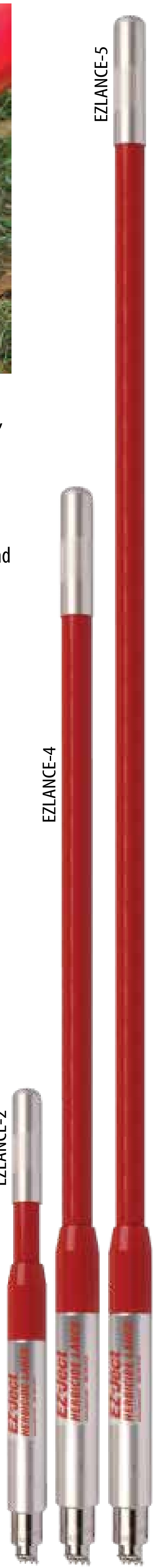
EZ-JECT SOIL INJECTORS

An economical solution for pesticide and fertilizer applications under the soil surface. Urban foresters, arborists and tree care professionals now have an easily transportable way for tree and shrub pesticide and fertilizer soil applications. Available in two models, Standard and Lite. Both models have semi-transparent containers for viewing product usage, adjustable injection depth from 2" to 8" and a replaceable hardened steel tip.

- Adjustable foot plate and probe depth control
- One-gallon chemical tank
- Wide-mouth screw cap for easy filling
- Pumping system delivers ½ oz per stroke

S1-STND	Standard	**$1,114.99**
S1-LT	Lite	**$847.00**
S1-PARTS	Parts Kit	
$25.90	**3+ $25.07**	**6+ $24.55**

S1-LT
EZ-JECT SOIL INJECTOR



GENERAL HERBICIDES

PRODUCT	PRODUCT FEATURES	CONTROLS	ORDER INFO
	RED RIVER 90 **Nonionic Surfactant** (Alkylarylpolyethylene glycols, free fatty acids) Typical rate of application varies from 1/2 pint to 2 quarts per 100 gallons of herbicide and 4-8 oz. per 100 gallons for insecticides and fungicides.	Provides better coverage for herbicides, insecticides, fungicides.	1 Gallon. Surfactants lower the surface tension of a liquid allowing it to spread and cover a surface more effectively, with better coverage with less waste. Can be used with herbicides, insecticides, fungicides, growth regulators and bio-stimulants at various rates. Ship wt 9 lb. **NS128 $17.64 3+ $17.39 6+ $17.23**
	BURNOUT® **Natural, Non-Selective Post-Emergent Herbicide** (24% Citric acid, 8% clove oil) Mix 1 part BurnOut to 3 parts water (8 oz BurnOut to 24 oz of water) and spray to the point of run-off. One gallon of finished solution covers approximately 1,500 sq ft.	All contacted vegetation will be affected. Typical weeds controlled black medic, chickweed, cinquefoil, perennial grasses, dandelion, tufted vetch, quackgrass & more.	All natural, broad spectrum weed killer to control actively growing green vegetation. Safe to use around mature trees, along fence lines, driveways and sidewalks. Rainproof when dry and works with temperatures as low as 40°F. Gallon. Ship wt 9 lb. **BON7465 $55.43 3+ $54.01 6+ $53.12** 2.5 Gallon. Ship wt 22 lb. **BON7466 $130.95 3+ $127.23 6+ $124.91**
	DANDELION DESTROYER **Selective Herbicide** (2,4-D 30.90%, MCPA 8.23%, and Dicamba 2.77%)	Chickweed, clover, dandelion, ground ivy, morning glory, peppergrass, pigweed, plantain, poison ivy, poison oak, purslane, ragweed, speedwell, spurge, wild garlic, and more	1 Gallon. Combines three selective herbicides into one effective product. Low odor formulation. Great for lawns, and is safe for applications around cool or warm-season grasses, as well as woody brush in non-cropland areas. **DDGAL $78.95 3+ $77.28 6+ $76.23**
	GRASSOUT MAX **Selective, Post-Emergent Herbicide** (Clethodim) Most rates of application are 6-8 oz per acre or .33 to .65 oz per gallon.	Crab grass, foxtail, barley, goose grass, oat, wheat, bermuda, fescue, quack, Johnson grass, Kentucky, Bent and more.	Tip-n-Pour Quart. For control of annual and perennial grasses in and around ornamental shrubs, trees, garden flowers, ground covers and agricultural crops. May need to add a surfactant for some grass varieties. (GrassOut Max does not control sedges or broad leaf weeds).Ship wt 3 lb. **GMQ $51.93 3+ $50.65 6+ $49.86**
	BRUSHMASTER® HERBICIDE **Selective, Post-Emergent Herbicide** (Isooctyl ester of 2, 4-D, 2-ethylhexyl ester, Dicamba) Mix at a rate of 1 1/3 oz to 2 2/3 oz per gallon of water. Can be mixed with oils for tough jobs.	Multiflora rose, brambles, cedar, elm, honeysuckle, kudzu, ground ivy, poison ivy, oak, sumac and more.	A Trimec® herbicide for brush and broadleaf weed control that allows you to successfully treat a wide range of brush and broadleaf weed species. For use in fence rows, roadsides, equipment storage areas, utility right-of-way, and other nonagricultural areas. Quart. Ship wt 3 lb. **774BQ $39.43 3+ $38.37 6+ $37.71** Gallon. Ship wt 9 lb. **774BG $131.65 3+ $129.31 6+ $127.85**
	T-ZONE™ SE HERBICIDE **Selective, Post-Emergent Herbicide** (Triclopyr BEE, butoxyethyl ester, sulfentrazone, 2, 4-D, 2-ethylhexyl ester, Dicamba) Mix rate is 1.2 to 1.5 oz per gallon for 1000 sq ft.	Chickweed, clover, dandelion, plantain, poison ivy, poison oak, ragweed, thistle and more.	1 gallon jug. Broadleaf weed control in cool-season turfgrasses such as Kentucky bluegrass, tall fescue, red or fine fescue. Ideal between 50° F and 85° F. Fast-acting with visible activity in hours. Weed death can occur within 7 to 14 days. Ship wt 8 lb. **82510 $122.70**
	VEGETABLE AND ORNAMENTAL WEEDER PRE-EMERGENT HERBICIDE **Pre-Emergent Herbicide** (Treflan and Trifluralin)	Grasses and broadleaf weeds in vegetables, trees, shrubs, flowers, roses, rock gardens and groundcovers	16 oz concentrate. Delivers up to 5 months of control. Apply to the soil surface and water into soil. This is one of the few weed killers a homeowner can use in the vegetable garden. Ship wt 1.5 lb. **LG5145 $25.47 4+ $24.65 8+ $24.15**

LEONARD BRAND PESTICIDES

(Can only be shipped to Ohio, Indiana, Illinois, Michigan, and Pennsylvania)

PRODUCT	PRODUCT FEATURES	CONTROLS	ORDER INFO
	LEONARD BIO-TARGET™ INSECT, SLUG, SNAIL (Iron Phosphate and Spinosad) 1 lb per 2,000 square feet.	Earwigs, cutworms, snails, slugs, ants, and more	A.M. Leonard's Bio-Target™ Insect, Slug & Snail kills the pesky bugs in your garden, lawn, landscape, and greenhouse. Provides a two step control method. Spinosad is a natural substance derived from a soil bacterium that is toxic to insects, discovered in a rum distillery in the Caribbean and now widely used in organic agriculture. Iron phosphate is a compound that combines phosphorous and oxygen with iron, and kills slugs and snails when eaten. Bio-Target™ comes in an easy to apply granular form. **98995** 5 lb bag **$32.10** **98996** 20 lb bag **$110.20**
	LEONARD DISEASE SHIELD™ COPPER SOAP (Copper) 5.2 oz per 1 gallon of water.	Anthracnose, leaf spot, blight, soft rot, powdery mildew, bacterial leaf spot, and more.	A.M. Leonard's Disease Shield™ Copper Soap is your solution to disease control. The active ingredient, Copper, is a natural method to control diseases. Copper ions are released from the copper soap and water mixture sprayed on the plants each time the plant surface becomes wet. This provides residual protection against disease, protecting your crop continuously. Available in quart and gallon sizes. 1 Quart. Ship wt 2.25 lb **98993 $36.50 3+ $35.33 6+ $34.60** 1 Gallon. Ship wt 9 lb **98994 $129.99 3+ $125.83 6+ $123.23**
	LEONARD PLANT PROTECT™ INSECTICIDE + FUNGICIDE (Sulfur and Pyrethrins) 5 fluid oz of product with 1 gallon of water and shake	**Insects:** Aphids, mites, beetles, ants, weevils, leafhoppers, caterpillars, whiteflies, mealybugs, scale, thrips, & more. **Diseases:** Blackspot, powdery mildew, rust, scab, blight, brown rot and leaf spot.	A.M. Leonard's Plant Protect™ Insecticide + Fungicide offers two active ingredients that work to protect your plants from insects, mites, and diseases. The active ingredient, Sulfur protects the plant from being infected by diseases by preventing the spores of the disease from germinating. The second active ingredient, pyrethrins, is derived from the Chrysanthemum plant. A natural method of pest control with a 0 day PHI. **98992 $51.60**
	LEONARD PYRECAN™ INSECTICIDE READY TO USE (Pyrethrin and Canola Oil)	Ants, adelgids, aphids, armyworms, bagworms, beetles, borers, caterpillars, leafhoppers, loopers, mites, scale, squash bugs, webworms, thrips, weevils, whiteflies and more.	A.M. Leonard's Pyrecan™ Insecticide is a natural insect control method, available in a ready to use formulation. This natural insecticide is effective in killing nuisance insects by the two active ingredients, Pyrethrin and Canola Oil. Pyrethrin is a compound derived from the Chrysanthemum plant. Canola Oil is a refined vegetable oil obtained from the seeds of various Brassica plants. Pyrecan™ kills all stages of the insect, from egg to adult. This product is ready to use on your vegetables, fruits, ornamentals, shrubs, trees and houseplants! Quart. Ship wt 2.25 lb. **99001 $13.20 3+ $12.78 6+ $12.51** Gallon. Ship wt 9 lb. **99000 $22.00 3+ $21.40 6+ $21.03**
	LEONARD SELECTIVE IRON™ BROADLEAF HERBICIDE Broadleaf weeds (dicotyledons) absorb more iron than grasses, causing oxidative stress in the plants cells eventually leading to plant death to only your lawn weeds. Results visible within hours of application.	A number of species of weeds, including but not limited to dandelion, moss, speedwell spp., white clover, English daisy, and common chickweed.	A.M. Leonard's Selective Iron™ Broadleaf Herbicide is a natural mineral-based iron chelate solution. This product is perfect for homeowners and businesses to control broadleaf weeds, the natural way in their lawns. **Ready to use.** 1 Quart. Ship wt 2.25 lb. **98997 $21.00 3+ $20.33 6+ $19.91** 1 Gallon. Ship wt 9 lb. **98998 $66.74 3+ $64.60 6+ $63.27**

LEONARD BACKPACK SPRAYER AND CART COMBO

https://youtu.be/hMWsC85mxok

LEONARD SPRAYMAX™ PRO 400C

This sprayer features a four-gallon tank with a two-speed switch. An 18-volt lithium-ion battery supplies power to the unit and recharges with the included fast charger. The SprayMax Pro 400 ensures you have the right coverage no matter your task. The two-speed switch gives you direct control over how much you spray. Both the low-flow and high-flow brass tip sets allow for a pin/cone and fan spray. Its lithium-ion battery provides two hours of constant operation to outlast the competition. High Flow Setting = 32oz to 60oz per minute, Low Flow setting = 8 oz to 21 oz per minute. High Flow will reach up to 25ft. Ship wt 12.5 lb.

PRO-400	4 Gallon Sprayer	**$415.96**
PRO-400C	4 Gallon Sprayer + Cart	**$498.85**
PRO-MC	Cart only	**$76.57**

BATTERY POWERED

Powerful, easy to install 18V battery.

Large, easy-fill opening with mesh filter insert

SPRAYMAX™ PRO QUICK-ATTACH EXTENSION HOSE

Extend your reach with your SprayMax™ Pro 400 and SprayMax™ Pro 100 sprayer, by attaching our 25' quick attach extension hose. This 1/4" inside diameter poly hose comes equipped with all brass quick connect fittings makes switching out hoses quick, clean, and effortless. Ship wt 2.5 lb.

PRO-ECH	**$68.99**

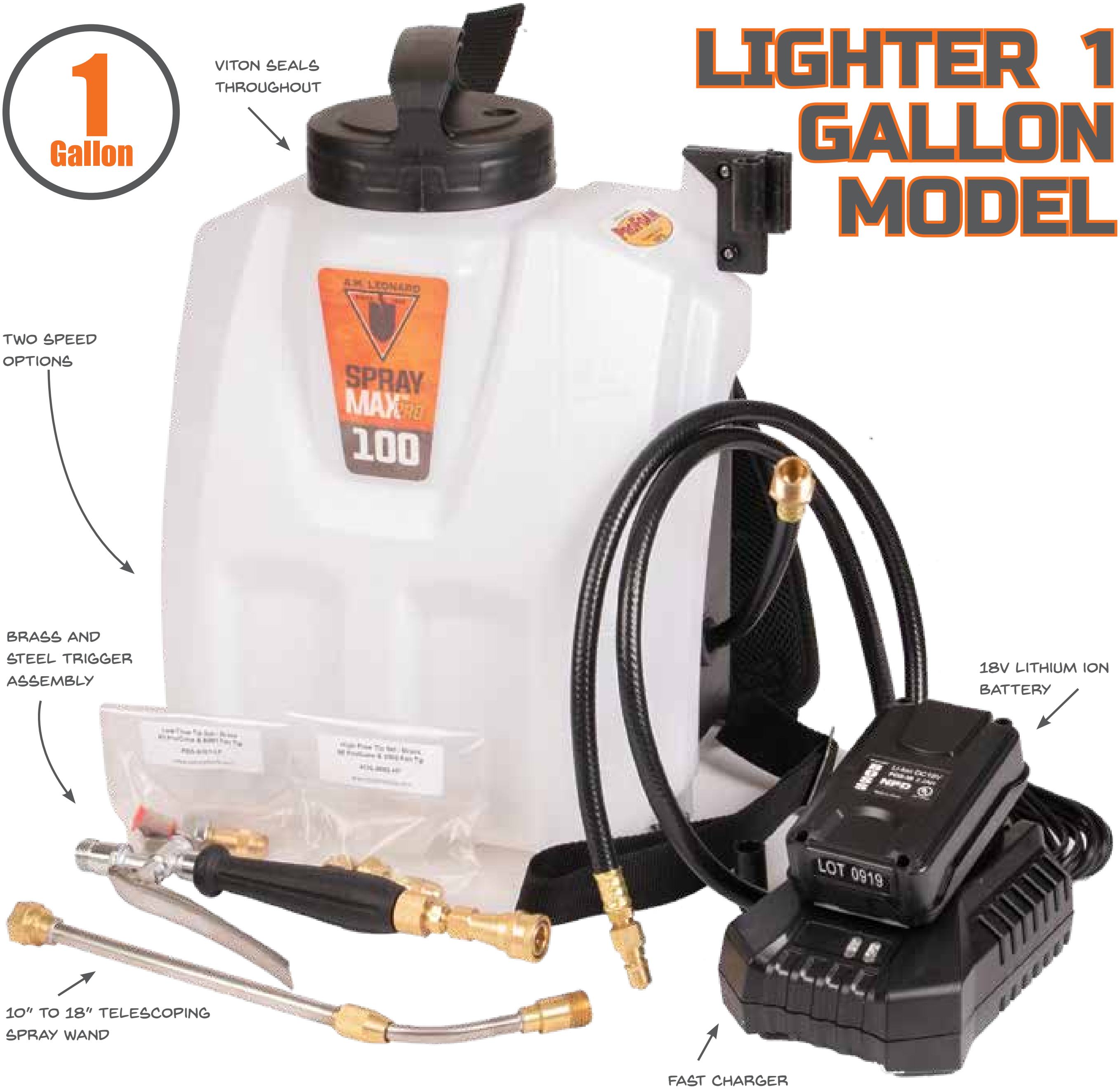
SPRAYMAX™ PRO 18V RECHARGEABLE BATTERY

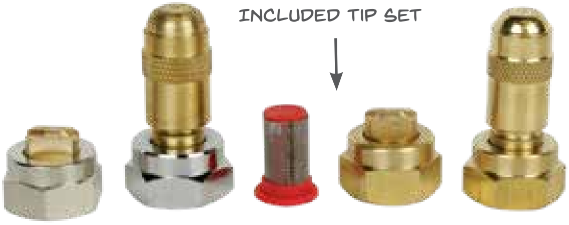
The SprayMax™ Pro 400 and SprayMax™ Pro 100 powered sprayers run on this quick charge 18V lithium ion battery. The battery will last all day, with **2 hours of continuous run time**, it out lasts The competition. Ship wt .85 lb.

PRO-18V	**$110.95**

LIGHTER 1 GALLON MODEL

1 Gallon


VITON SEALS THROUGHOUT
TWO SPEED OPTIONS
BRASS AND STEEL TRIGGER ASSEMBLY
10" TO 18" TELESCOPING SPRAY WAND
18V LITHIUM ION BATTERY
FAST CHARGER
A.M. LEONARD
SPRAY MAX PRO
100
LOT 0919


INCLUDED TIP SET

BATTERY POWERED

LEONARD SPRAYMAX™ PRO 100

The SprayMax™ Pro 100 1 Gallon Battery Powered Sprayer, makes spraying a breeze. Lightweight and easy to carry with the ergonomic built in handle, this is the sprayer for all of your tasks. Features 2 speeds, high and low, all metal telescopic wand extending from 10" to 18", and a 18V lithium ion battery. Sprays up to 25'. Pressure rates from 60 to 70 psi. Calibrated and compatible with ProFoam Platinum foaming agent. Quick attach fittings on all of our wands and hoses, add our 25' quick attach extension hose to take your SprayMax™ Pro even farther! **1 gallon tank.** Flow Rates will vary depending on tip selection. High Flow Setting = 32oz to 60oz per minute, Low Flow setting = 8 oz to 21 oz per minute. High Flow will reach up to 25ft. Ship wt 10.2 lb.

PRO-100 $343.16

SOLO VERSATILITY

solo
accu power 416Li

BATTERY POWERED

solo

SOLO 416-LI 5 GALLON BATTERY BACKPACK SPRAYER

11.1V lithium-ion battery allows up to 6 hours of operation on a single charge at 36 psi. Easy toggle switch allows you to adjust pressure up to 62 psi. Quiet operation with no emissions and low vibration makes this a suitable sprayer for indoors such as greenhouses. Ergonomically shaped 5 gallon tank with padded back and straps are designed for comfortable spray applications. Includes a 60" spray hose with a 36" telescopic carbon fiber wand, interchangeable spray nozzle system that is TeeJet® compatible and stainless steel ball valve filter prevents dripping. Ship wt 15 lb. **Made in the USA.**

416LI	**$547.52**

solo

SOLO 3 GALLON PROFESSIONAL ROLLABOUT SPRAYER

Roll the sprayer to your work area! This heavy-duty sprayer will stand up to the toughest of jobs. Suitable for plant protection chemicals, pest control solutions and more! This professional sprayer features Viton® seals in key locations for durability and safety with a wide variety of chemicals. Wheels and pull handle for convenient movement while spraying. 72" nylon-reinforced hose for extended reach. Piston pump pressurizes the sprayer as much as 50% faster. Automatic pressure relief valve releases pressure at 45 psi and may be used to release pressure manually when desired. 4 nozzle assortment: Adjustable, fan spray, hollow cone, and jet stream nozzles. Accepts TeeJet® nozzles. 5 year commercial warranty against defects in material and workmanship. Ship wt 12 lb.

458RA	**$135.97** **3+ $131.62** **6+ $128.90**

BATTERY POWERED

BUILT-IN RECHARGEABLE BATTERY

solo

SOLO 1-LITER RECHARGEABLE UPSIDE-DOWN SPRAYER

The 1-Litre 460-Lithium Ion Battery-Operated Handheld sprayer makes gardening even easier! The flexible intake hose is weighted so that you can spray your plants evenly from all directions and angles. The lithium ion battery eliminates fatigue from constant pumping. The battery runs continuously for 60 minutes and can be easily re-charged with any USB port (charging cable included). Fully re-charges in just 90 minutes! Ship wt .66 lb.

460L	**$42.77**	**3+ $41.53**	**6+ $40.76**

SOLO BACKPACK SPRAYERS

4 gallon high-density polyethylene tanks with U.V. inhibitors allow for unmatched durability and ultraviolet protection. Large 4.25" opening for easy filling and cleaning. Shut-off valve and 48" nylon reinforced hose. Fold away handle with left or right hand operation. **Made in the USA.**

Piston Pump Sprayer – The industry standard. Chemical resistant Viton® seals for long life and durability. The 425 Series is capable of producing a wide pressure range up to 90 psi. Not suitable for wettable powders.

Diaphragm Pump Sprayer – The model 475 Series is capable of producing up to 60 psi. Excellent resistance to harsh chemicals and abrasion. By design the diaphragm is able to pass small abrasive particles without damage to the pump assembly. **Ideal for handling chemicals in wettable powder form, as well as liquid formulations.** Can also handle bleach solutions.

Professional Models – Feature some nice upgrades to take solo backpack sprayers to the next level. Viton seals and O-rings throughout, not just in key places. Deluxe shoulder saver harness for added wearability. 21" stainless steel wand and an adjustable pressure regulator with four positions: 15, 30, 45, and 60psi.

425-PROF
475

Item	Pump Type	PSI	Ship wt	Price	3+	6+
425-101	Standard Piston	90 psi	11 lb	**$113.10**	**$111.36**	**$110.27**
425PROF	Professional Piston	90 psi	12 lb	**$139.95**	**$137.72**	**$136.33**
475	Standard Diaphragm, original sold design	60 psi	11 lb	**$119.90**	**$117.83**	**$116.54**
475PROF	Professional Diaphragm	60 psi	12 lb	**$149.95**	**$147.15**	**$145.40**

SOLO DRIFT GUARD

Attaches to spray wand, preventing over-spray. 12" L x 4" W x 4.5" deep. Ship wt .5 lb.

4900430 $30.27
3+ $29.54 6+ $29.09

SOLO COMMERCIAL 2.25 GALLON SPRAYER

A super lightweight, 2.25 gallon all-purpose sprayer for weed and pest control, liquid fertilizing, maintenance and more! Made from tough, high-impact blow-molded plastic, with pressure relief valve for safer operation and opening. Complete with 20" spraying wand, inflation valve and carrying strap. Ship wt 8 lb. **Made in the USA.**

456 $68.49 3+ $67.01
6+ $66.08

SOLO SMALL CAPACITY HAND SPRAYERS

Easy pump, easy fill and easy clean-up. Non-drip/drift guard. Locking spray for continuous spraying. 420L has a 24" extension wand. Chemically resistant Viton® O-rings and an automatic relief valve to prevent over-pumping. Ship wt 2 lb. **Made in the USA.**

1 Liter Standard wand
418L $21.80 3+ $21.13 6+ $20.71

2 Liter 24" wand
420L $20.86 3+ $20.40 6+ $20.12

SOLO 2 GALLON FARM & GARDEN SPRAYER

This sprayer features both a large filler opening and funnel top design for ease of filling and tank cleaning. Heavy wall, high grade polyethylene body is chemical resistant and will hold up to stresses of frequent use and transporting. Other quality features: Viton® seals that are chemical resistant, 4' hose and 28" wand for good reach, assorted nozzles to spray from stream to mist. Ship wt 4 lb.
Made in the USA.

432G $46.60 3+ $45.52
6+ $44.84

MAKE EASY WORK OF YOUR JOB WITH

jacto
pjb-8c

BATTERY POWERED

JACTO™ 4 GALLON BATTERY BACKPACK SPRAYER

The PJB20-16 is the world's most advanced battery powered backpack sprayer. With almost four years of development by Jacto™, the ergonomically designed and lightweight PJB20-16 is a marvel of engineering. The 4-gallon PJB20-16 is the right sprayer for the end user who needs accuracy and efficiency for the on target delivery of their spray solution. With such features as, hydraulic agitation, multiple pressure settings, a walking pace (speed) indicator and built in self-diagnostics, This is the right sprayer for everyone, from the Market Farmer, Commercial Greenhouse Grower to busy Landscape Professional. The PJB20-16 is equipped with an easy to change rechargeable lithium-ion battery. Depending on flow rates and pressures, typical battery run times per charge average about 8 hours and go as high as 12+ hours. Ship wt 12 lb.

PJB20-16	**$395.82**	**3+ $389.36**	**6+ $385.32**

BATTERY POWERED

JACTO 2 GALLON BATTERY POWERED SHOULDER CARRY SPRAYER

Convenient 2 Gallon Rechargeable Sprayer Delivers Consistent Spray for up to 4 Hours! The Jacto Battery Powered Shoulder Carry Sprayer combines technology and ease of use in a very compact size. With its 2 gallon capacity, comfortable soft padded single-shoulder strap (cannot be converted into a backpack-style sprayer) and 2-4 hour run time, this sprayer allows you to do the job efficiently and with less effort than traditional backpack sprayers. Powered by a lithium-ion battery, you can expect constant pressure for 2-4 hours regardless of the battery level. It has the force to stream spray up to 30′ horizontally and 25′ high for those hard to reach areas. Forget about leaking, an internally mounted poly piston pump eliminates leaks. Lever and wand storage clip for easy transporting. 65" chemical resistant hose. Ship wt 6.8 lb.

PJB-8C	**$222.49**

PUMP ACTION BACKPACK SPRAYERS

HD400
HD400BL

jacto

JACTO™ 4 GALLON BACKPACK SPRAYERS

Excellent chemical resistance and long life. 4 gallon professional grade backpack sprayer tested for more than 1,500 continuous hours with no breakdowns. **Internally mounted poly piston pump eliminates leaks** and produces 65 psi. The internal mechanical agitator does an excellent job of keeping powdered chemicals in suspension for even application. HD400 series is easily converted for either right-hand or left-hand operation. UV-resistant white tank(HD400) equipped with Viton® piston cup, favored by users who spray caustic chemicals and the UV-resistant blue tank(HD400BL) features Santoprene® piston cup for long wear life. 26" stainless steel wand with an adjustable-cone nozzle, fan nozzle and 65" spray hose. Ship wt 8.16 lb.

HD400	White	**$124.95**	**3+ $123.29**	**6+ $122.25**
HD400BL	Blue	**$123.85**	**3+ $122.01**	**6+ $120.87**

JACTO™ 4 GALLON BACKPACK SPRAYERS

Brass piston pump for durability. 4 gallon sprayer popular among farmers, landscapers and construction crews who need extreme toughness and resistance to abusive chemicals. Internally mounted brass piston pump for long life, chemical resistance and above all no external leaks. UV-resistant white tank(CD400) equipped with Viton® piston cup, favored by users who spray caustic chemicals and the UV-resistant blue tank(PJ16) features Santoprene® piston cup for long wear life. Features an internal agitator for constant mixing, large fill opening, 36" stainless steel wand with an adjustable cone nozzle, fan nozzle and 65" spray hose. Ship wt 9.3 lb.

CD400	White	**$171.50**	**3+ $168.89**	**6+ $167.26**
PJ16	Blue	**$152.27**		

JACTO™ 3 GALLON BACKPACK SPRAYERS

Ultra comfortable and light weight. 3 gallon, ultra comfortable, contoured, lightweight professional-grade backpack sprayer. Poly piston pump produces up to 130 psi. Only 8 pumps will produce 45 psi. Features an internal piston pump with a long-wearing Santoprene® piston cup, designed to eliminate leakage. Features hydraulic agitation system, poly UV-resistant tank, adjustable cone nozzle with filter, 26" stainless steel wand, 65" spray hose and quick-adjust shoulder straps with thick shoulder pads. Available in white(XP312) and blue(XP12). Ship wt 7.7 lb.

XP12	Blue	**$99.05**	**3+ $97.57**	**6+ $96.64**
XP312	White	**$99.88**	**3+ $98.33**	**6+ $97.37**

JACTO COMPRESSION SPRAYER 1.32 GALLON

Jacto compression sprayer is compact and easy to use. Equipped with a piston-type pump, highly durable tank, adjustable cone nozzle and decompression valve to enable the tank lid to be removed safely. The wide funnel opening makes filling the tank a breeze. This Jacto hand sprayer is handy and dependable for small areas or individual plants, but tough enough to work all day every day. Ship wt 5 lb.

HH5	**$49.74**	**3+ $48.59**
	6+ $47.87	

QUALITY SPRAYERS FROM CHAPIN

26011XP
26021XP
26031XP

CHAPIN POLY PRO SERIES

The Chapin Pro Series are poly sprayers that are designed for fertilizer, herbicide, fungicide and watering applications. The Pro Series is enhanced with a 34″ reinforced hose and forty percent greater pump volume per stroke. They feature a 20″ poly wand, shut-off with cushion grip, built-in filter and Viton® seals. The large opening measures 4″ for convenience in filling and cleaning. The lightweight, translucent tank is made of polyethylene which is immune to most pesticides, fertilizers and herbicides.

Item	Capacity	Ship wt	Price	3+	6+
26011XP	1 Gallon	5.7 lb	**$59.78**	**$58.70**	**$58.03**
26021XP	2 Gallon	6.2 lb	**$53.64**	–	–
26031XP	3 Gallon	7.8 lb	**$65.75**	–	–

CHAPIN 3 GALLON INDUSTRIAL POLY SPRAYER

Compressed air sprayer for heavy-duty application, or use with materials that corrode stainless steel or galvanized tanks such as concrete sealants. Metal pump handle, 8″ diameter, 3 gallon poly tank with poly pump barrel and wide mouth opening for easy filling. 36″ hose, 18″ brass extension shutoff and fan nozzle, Viton® check valves and gasket. Ship wt 7 lb.

15309 $116.47

CHAPIN 2 GALLON VINEGAR SPRAYER

Chapin has designed a 2 gallon sprayer ideal for organic weed control using hortiultural vinegar. Vinegar can be harsh on sprayer parts. This one has vinegar resistant seals, to prolong the life of your weed control sprayer. Other features include a pressure relief valve, comfortable poly spray handle, folding carry handle and adjustable cone and fan nozzles. Ship wt 5.5 lb.

V2005 $47.07

CHAPIN 32 OZ UPSIDE DOWN SPRAYER

Quick grab 32 oz multi-purpose sprayer for spot treatments of herbicides, insecticides or fungicides. It will allow you to spray upside down in those hard to reach places like under leaves where certain insects like to hide. Made of high quality poly material and adjustable poly nozzle. Ship wt .32 lb.

1105U $11.99 3+ $11.72 6+ $11.55

BATTERY POWERED

CHAPIN
24v RECHARGEABLE
Backpack Sprayer

CHAPIN 24V BATTERY POWERED BACKPACK SPRAYER

The Chapin 24V battery backpack sprayer features a dependable 24-volt Lithium ion battery and charger. It will perform for 2 hours of continuous spraying at 35-40 psi, that is up to 58 gallons of solution application on one charge. Santoprene seals in the pump insures maximum chemical resistance. Cushion grip shut-off with a built-in servicable filter will assure no debris can get in and clog the nozzle tip. Padded shoulder straps offer comfort for prolonged regular use. Ship wt 12 lb.

63924 $265.37 3+ $261.98 6+ $259.86

CHAPIN
ProSeries
Backpack Sprayer

CHAPIN 4 GALLON PRO SERIES BACKPACK SPRAYER

Designed to work for fertilizers, herbicides and insecticide spraying situations. Four gallon capacity. Featuring four position pressure relief valve, chemical-resistant viton® O-rings and seals, large opening top, poly wand with three nozzles, straps, comfort grip spray handle and ambidextrous pump handle. Ship wt 10 lb.

61800 $127.19 3+ $125.50 6+ $124.45

97561

MIXES
CHAPIN

97361

MIXES
CHAPIN

MAIN TANK STAYS CHEMICAL FREE!

CHAPIN MIXES ON EXIT SPRAYING SYSTEM

Who has ever made too much spray solution and couldn't use it all at one spraying? Chapin has designed a revolutionary spraying system called 'Mixes On Exit' for ATV style tanks. It consists of a small quick connect chemical tank in either 1.33 gallon for the 15-gallon tank or the 2-gallon size for the 25-gallon tank and it sits on top of the large tank and holds the chemical you wish to spray. The large tank stays chemical free and mixes on exit to a ratio of 0-10 oz per gallon depending on desired setting. There is a quick release coupling which automatically seals the chemical concentrate tank when you need to remove when either done spraying or want to switch to a different chemical. Comes with standard straps for securing to ATV. Additional tanks for concentrated chemicals sold separately.

Item	Description	Ship wt	Price	3+	6+
97361	15 Gallon Exit Spraying System	17.3 lb	**$282.51**	**–**	**–**
2250048	Additional 1.33 Gallon Tank	2 lb	**$27.10**	**$26.79**	**$26.60**
97561	25 Gallon Exit Spraying System	43.2 lb	**$327.96**	**–**	**–**
2250413	Additional 2 Gallon Tank	2 lb	**$36.77**	**$36.22**	**$35.87**

SPECIALTY SPRAYERS

BIRCHMEIER 4 GALLON PRO-LINE SPRAYER

Durable externally mounted piston pump. Excellent solid brass professional spray valve with filter prevents nozzle blockage. Quick adjust straps and a strong stainless steel base to keep it upright. UV stabilized heavy duty 4 gallon container with large filtered opening. Max output of .58 gpm. Handles temperatures from 41˚F - 122˚F. Nitrile seal. Ship wt 14 lb.

BS15 **$362.53**

BACKPACK SPRAYER RACK

Secure any backpack sprayer or other container to an open or enclosed trailer. High strength steel, coated with an ultra thick layer of vinyl to protect against vibration damage. Tensioning strap adjusts to fit different size sprayers. Ship wt 11 lb.

XF107 **$147.11**

ROUNDUP 4 GALLON MULTI-USE, NO LEAK BACKPACK SPRAYER

This sprayer has an internal pump will never leak on user — which is the #1 complaint of professionals. The high pressure piston pump sprays up to 150 PSI, but using the low pressure regulator delivers a steady 25 PSI; ideal for application of Roundup. Viton® seals and gaskets for increased durability. The 4 nozzle system includes poly adjustable, 2 flat fans and our patented foaming nozzle, and it accepts your TeeJet™ nozzles. Includes a built in carry handle for ease in lifting, and accepts left or right hand pump operation.

190327 **$133.52** **3+ $130.30**
6+ $128.29

ELECTRIC

HUDSON FOG® ELECTRIC ATOMIZER SPRAYER

Ultra low volume mist for indoor and outdoor use. Sprays a mist with 22-46 micron size particles, means the droplet size is so small, it stays in the air longer providing the most effective control of flying insects such as mosquitoes. Adjustable output of 1.5 to 14 gallons per hour with a range of 13.5' means you can effectively cover large areas with fewer steps in a shorter amount of time. Corrosion resistant 2 gallon poly tank and large commercial coiled hose for ease in directing mist. Operates on standard 110 AC voltage. Includes strap for carrying convenience. Can be used with most any insecticide, including wettable powders, moldicides and sanitizers. 90-day limited warranty. Ship wt 12 lb.

99598 **$293.72** **3+ $290.71** **6+ $288.83**

BATTERY POWERED

DRAMM HERBI AND HERBAFLEX SPRAYERS

Controlled droplet applicators provide precise, low drift coverage and can treat several acres an hour. These sprayers utilize a spinning disc for controlled droplet application, which minimize drift and provide precise spray widths and patterns. The applicators are powered by four D batteries and will provide 30-40 hours of spraying. The Herbi and Herbaflex are lightweight, provide great coverage, and don't require continuous pumping. Imagine how quickly they will pay for themselves! 2.5 liter bottle. Ship wt 5 lb.

HERBI MODEL provides a 4 ft swath and is used commonly for borders, pathways, strip spraying or large areas.
HERBI **$309.18**

HERBAFLEX MODEL provides an adjustable band width from 4" to 20". Use for spraying around buildings, along fences, and between row crops. Includes spray shroud.
HERBA **$434.03**

FIELD KING PROFESSIONAL SPRAYERS

FIELD KING 4 GALLON PROFESSIONAL AND MAX "NO LEAK" BACKPACK SPRAYERS

The Field King deluxe sprayer utilizes an internal pump which will never leak on the backside of the user. Reliable piston pump system pressurizes up to 150 psi for distance spraying, and is equipped with a low pressure 25 psi regulator for controlled herbicide spraying. Engineered for comfort with its thick padded straps, waist belt, chest belt, and lumbar support. Viton® O-rings and seals maximize the resistance to harsh chemicals. Built-in agitator keeps solutions better mixed. Deluxe shutoff with filter, durable 21" wand, and a 4 nozzle system — brass, 2 flat fan and a foaming nozzle. 4 gal capacity. Ship wt 12 lb.

FKD34

Field KING
MAX
Backpack Sprayer

FKD34 has padded back plus Foldaway Pump Handles & Fully Padded Harness.

FKD24

Field KING
Professional
Backpack Sprayer

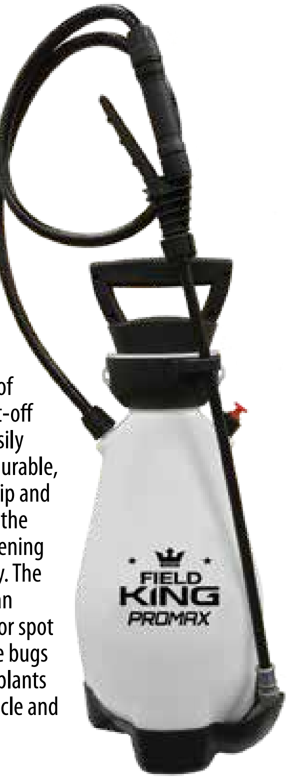
Item	Description	Ship wt	Price	3+	6+
FKD34	Field King MAX Sprayer with Foldaway Handle, Full Back Padded Harness & Waist Belt	12 lb	**$124.99**	**$123.34**	**$122.30**
FKD24	Field King Professional with wand storage clip, padded shoulder straps	12 lb	**$104.99**	**$103.41**	**$102.43**
Accessories (not shown):					
R18MM	Constant Flow Valve. Regulate to 21 psi regardless of input pressure	.5 lb	**$22.38**	**$21.81**	**$21.45**

BATTERY POWERED

FIELD KING® PUMP ZERO POWER SPRAYER

The Field King Pump Zero Power Sprayer is perfect for any landscaping job and many other cleaning and commercial spraying applications. Whether you need to kill weeds, water the flowers, or control pests, this sprayer will meet your needs. Powered by an onboard 7.2V Lithium Ion battery, the electric pump will spray up to 20 gallon per charge and an average output of 20psi. Viton seals throughout pump and shut-off offer the best chemical resistance and are easily changed without using tools. Sprayer has a durable, poly wand and poly shut-off with comfort grip and lock. The pressure release cap safely releases the pressure down and away from you before opening the tank to prevent accidental chemical spray. The 4 piece nozzle set performs multiple tasks: fan spray for covering large areas, stream spray for spot treating weeds and penetrating cracks where bugs hide, cone spray for watering and fertilizing plants and foaming spray for effective cling on verticle and hard to treat surfaces. 2-gallon capacity. Ship wt 5.5 lb.

190571 $99.22



FIELD KING® COMPRESSION SPRAYERS

The Field King Compression Sprayers are perfect for any landscaping job. Whether you need to kill weeds, water the flowers, or control pests, this sprayer will meet your needs. Viton seals throughout the pump and shut-off offer the best chemical resistance and are easily changed without using tools. This sprayer has a durable, 15" aluminum wand and poly shut-off with comfort grip and lock. The pressure release cap safely releases the pressure down and away from you before opening the tank to prevent accidental chemical spray. The exclusive all-in-one nozzle has three settings: fan spray for covering large areas, stream spray for spot treating weeds and penetrating cracks where bugs hide, and cone spray for watering and fertilizing plants. Ship wt 4 lb.

190437	2 gallon	**$45.55**	**3+ $44.88**	**6+ $44.47**
190438	3 gallon	**$52.40**	**3+ $51.71**	**6+ $51.28**

Field KING
Professional
Sprayer

EASY AND ACCURATE WATER-POWERED FERTILIZER INJECTORS

DOSATRON LI'L BUD-D CART

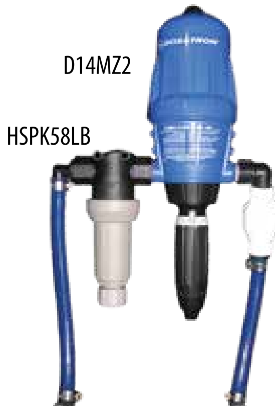
The Li'l Bud-D cart includes a 5 gallon bucket and lid. It is the perfect portable dispensing system for spot treatments and accommodates the 11 and 14 GPM Dosatron injectors. Polyethylene construction, 10" no-flat tires and a narrow width provides maximum mobility. Ideal system for dispensing fertilizers, fungicides, insecticides, algicides, disinfectants and surfactants. Injector and hook-up kit sold separate. Ship wt 47 lb.

HS15-5 **$409.34**

DOSATRON INJECTORS

Dosatron injectors are water-powered, syringe-like units that pull solution up into the unit with the suction hose that is inserted into your concentrate container. On the down stroke, the solution is moved into the body of the injector, where it mixes with the incoming water, insuring the right amount of fertilizer is discharged into the water line. The injector can accurately inject fertilizers, plant growth regulators, herbicides, insecticides, fungicides, algicides, acids, wetting agents, sanitizers, nematodes and chlorine. Connects to ordinary garden hose. Accurate regardless of variations in flow and water pressure. Injection ratio is 1:500 to 1:50 for the 14GPM model and 1:100 fixed for the 11GPM model. Pressure range is 4.3 to 85 PSI. Injector comes with mounting bracket, suction hose, weighted strainer and operating manual. Ship wt 9 lb.

D14MZ2	14GPM	**$518.13**
D25F1	11GPM	**$398.20**



DOSATRON LI'L BUD-D QUICK HOOK-UP KIT

The Dosatron cart hook-up kit is easy to install and designed to help protect the Dosatron injectors and cart from tipping over. Quick hook-up kit for your Dosatron injector and Li'l Bud-D cart includes: 1-filter, 1-check valve, 4-stainless steel clamps, 2-5/8" blue hose, 4-adaptors. Ship wt 6 lb.

HSPK58LB **$92.41**

A.M. LEONARD'S
PRO+
YOUR PURCHASES COUNT TOWARDS PRO+ BENEFITS!
LEARN MORE

DOSMATIC MINIDOS® AND SUPERDOS® INJECTORS

These non-electric, fluid-driven proportional injectors have the highest standard operating pressures in the industry! Here's how they work: Installed directly in the fluid supply line, the injector operates without electricity, using fluid pressure as the power source. The fluid drives the injector, which pulls the required percentage of concentrate directly from your chemical solution container.

Inside the Dosmatic patented mixing chamber, the concentrate is mixed with the fluid and then the fluid pressure forces the mixed solution downstream. Like a hose end sprayer, the amount of concentrate will be directly proportional to the volume of fluid entering the injector, regardless of variations in flow or pressure.

Use for: chlorination, cleaning, cutting fluids, descaling, decontamination, degreasing, disinfecting, dispersants, fertigation, hydroponics, inhibitors, lubrication, medication, misting systems, odor control, pesticides, pH/tH correction, rinsing, sanitizing, soaps and foams, surfactants, weed control.

Dosmatic
MINIDOS 12
112602

Item	Flow Rate	Operating Pressures	Pipe Coupling	Price	3+	6+
112602	.03-12 gpm	6-140 psi	.75" NPT	**$556.08**	**$550.27**	**$546.64**
113209	.15-30 gpm	5-100 psi	1" NPT	**$773.95**	–	–

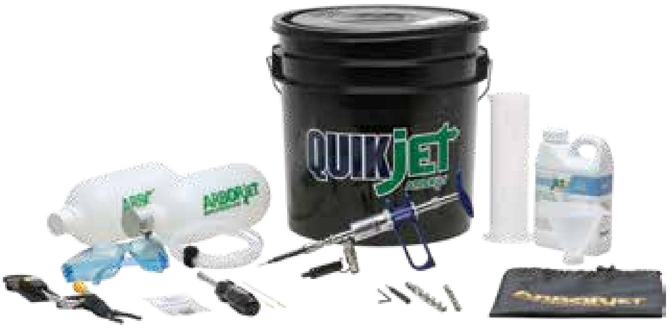
CHEMILIZER™

Precisely injects fertilizers, fungicides, insecticides, growth regulators, and more, right into the water line. As the water passes through the Chemilizer, its diaphragm system draws the additive in using a siphon-like effect. Install injector permanently in-line on to carts for mobile applications. Can connect directly to a water hose for spot drenching with 3/4" NHT connections.

Chemilizer

HN55 series Standard Chemilizer 100% of the water passes through this model, allowing operation at lower flows: from 1 gph to 13 gpm at pressures of 2-80 psi. Ratio of 1 oz to 100 oz. Other standard ratio models are available upon request. Ship wt 8 lb.

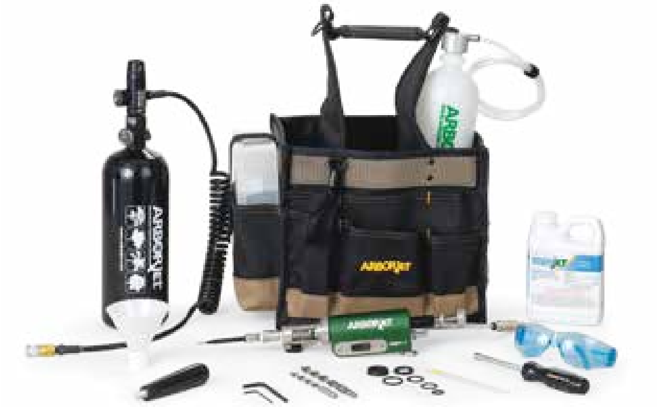
CH9 **$335.04**



QUIK-JET® TREE INJECTORS

Speedy delivery with fast update! QUIK-Jet® is a cost effective injection tool designed for lower dose applications, and can also be used as a diagnostic tool to assess tree health and vascular activity. The QUIK-Jet Kit is a good starter kit for someone just getting into tree injection and a great complementary tool to the Tree I.V. It offers speedy delivery with fast uptake trees, allowing the applicator to work effectively and profitably.

070-2252	Kit	**$623.90**
070-2232	Injector Gun Only	**$478.87**



QUIK-JET® AIR TREE INJECTORS

A powerful tool in the war against insects and diseases! Quik-Jet AIR's® innovative design combines the simplicity of the popular QUIK-jet® and the VIPER Hydraulic systems to create a lightweight, easy-to-use injection tool that maximizes productivity and reduces labor time. It features a one thumb switch operation, precise dose measuring, and air-powered injection in a rugged aluminum body, weighing less than 2 lb!

070-2350	Kit	**$2,627.80**
070-2355	Injector Gun Only	**$1,688.60**

HOZON™ SIPHON MIXER

Hozon™ accurately applies water soluble fertilizer and plant food through your faucet. Solid brass siphon mixer with backflow preventer proportions at a ratio of 1 gallon concentrate to 16 gallons of water. Great for every greenhouse, garden, or landscape. Ship wt .5 lb. **Made in the USA.**

HOZ **$31.65** **3+ $30.86**
6+ $30.37

CHAPIN

CHAPIN HOSE-END FOAMING SPRAYER

Presentation is everything! Keep your work trucks and equipment clean between jobs. You will make a good impression on customers and your equipment will last longer. This 32 oz hose end sprayer has a foaming nozzle to transform cleaners, detergents and soap concentrates into a foaming agent to aid in cleaning. Fits standard garden hoses, no adapter needed. Ship wt 1.8 lb.

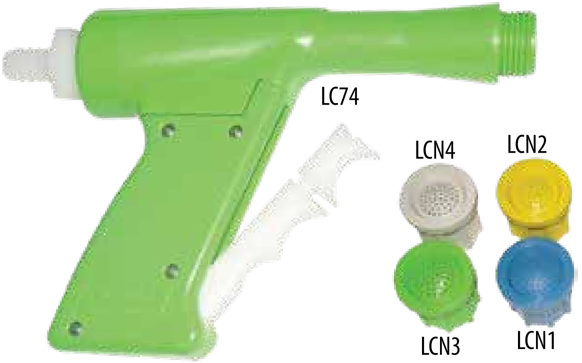
G5502 **$57.31** **3+ $56.02** **6+ $55.22**

HUDSON
The World Standard of Value
PROFESSIONAL DIVISION

GREEN GARDE® HIGH PRESSURE HOSE TAPPED GUN

Top performing spray gun with adjustable spray pattern, from fine spray to jet stream. Ruggedly built, precision machined. Drip-free shutoff. This gun is tapped to add a pressure gauge for accurate readings. Comes with 3-8gpm nozzle. Compatible with Green Garde Root Feeder. Ship wt 3 lb.

JD9C **$198.40**



LESCO CHEMLAWN SPRAY GUN & NOZZLES

Popular and durable spray gun for lawn care applications. Good drift control due to large droplets. Gun comes without nozzles, so choose the nozzle best for your use. 3/4" FPT with 1/2" barb fitting. Ship wt 2 lb.

Item	Description	Price	3+	6+
LC74	Spray Gun	**$89.90**	–	–
LCN1	Blue 1.5 gpm nozzle	**$16.26**	**$15.86**	**$15.61**
LCN2	Yellow 2 gpm nozzle	**$11.85**	**$11.66**	**$11.54**
LCN3	Green 3 gpm nozzle	**$15.26**	**$14.94**	**$14.74**
LCN4	White 4 gpm nozzle	**$15.26**	**$14.94**	**$14.74**

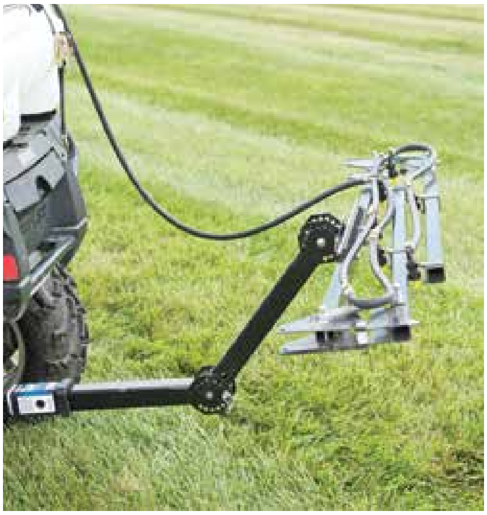
HUDSON
The World Standard of Value
PROFESSIONAL DIVISION

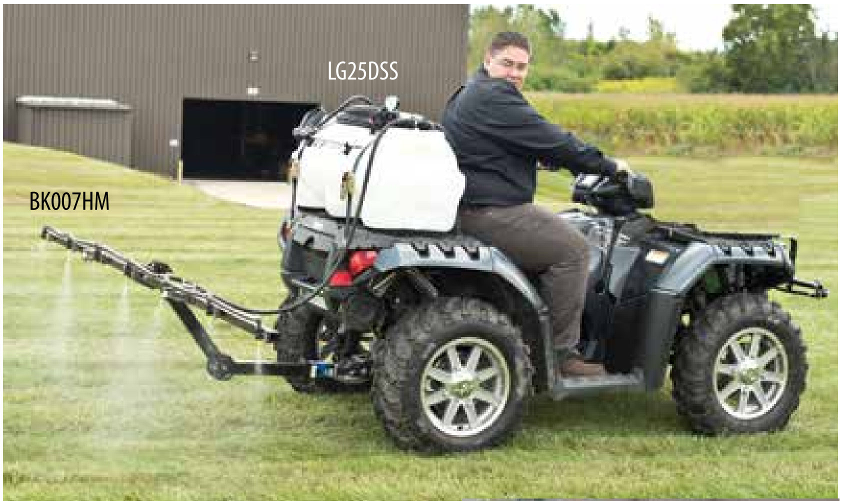
GREEN GARDE GES SPRAY GUN

Good performing gun at a great price. Adjustable from fine spray to jet stream. Trigger lock for continuous spray. 1/2" NPT inlet. Max 800 psi. Additional nozzles sold separately. Ship wt 3 lb.

38505 **$122.22** **3+ $120.62** **6+ $119.63**

ATV AND TOW BEHIND SPRAYERS FROM WORKHORSE SPRAYERS





WORKHORSE HITCH MOUNT BOOM KIT

Unique universal boom designed to fit any 2" receiver hitch. The index pins can adjust the boom up to 300° for any desired height and angle. It is also spring loaded on the sides and designed to fold back in case of accidental collisions with a tree or stationary object, plus manually folds for storage. 7 nozzles include screens with check valves to protect the spray tips and control dripping. If your ATV or UTV already has a 2″ receiver, then this boom can easily connect to any Workhorse Sprayer with at least a 25 gallon tank without any additional adapters or fittings, allowing an easy upgrade from a spot sprayer into a boom sprayer. Ship wt 22 lb.

BK007HM $284.43 3+ $278.25 6+ $274.39

WORKHORSE SPOT SPRAYER

Deluxe spot sprayer ideal for property management spray projects such as large lawn areas, gardens, driveways, ditches, pastures and orchards among other spray jobs. Sturdy polyethylene tank with large fill opening and groves for strapping onto an ATV or trailer. 2.2 gpm - 60 psi max produces a strong stream up to 30′. Pistol grip handgun has 15′ of hose and adjustable brass tip. 8′ of wiring harness has battery clips and switch. Inline shut-off for quick on/off spray. Boom ready sprayer, so it is easy to turn a trailer or ATV into a sprayer vehicle, just add a Workhorse boom kit.

LG25DSS 25 gallon, Ship wt 27 lb
$248.56 3+ $243.04 6+ $239.59

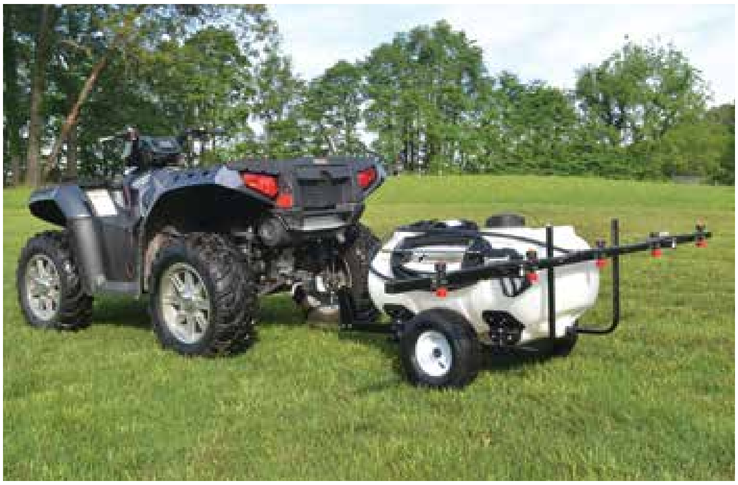
LG40DSS 40 gallon, Ship wt 35 lb
$298.16 3+ $293.09 6+ $289.92

WORKHORSE 2-WHEEL TOW BEHIND SPRAYERS

Deluxe 2-wheel trailers from Workhorse Sprayers are designed to be attached to an ATV or lawn tractor. The PowerFlo™ 7800 series 12 volt pump draws solution from the tank, through the strainer and to the pump. The pump forces the solution under pressure to the spray wand or boom. On all three sizes, the pump has a pressure switch that will shut off when it reaches 60 psi. Pressure can be regulated by opening or closing the bypass valve on top of the tank. Also the boom can be cycled on and off with the same bypass valve. 25 Gallon size has a metal breakaway boom and the 40 and 60 gallon sizes have a heavy duty folding boom. Each size also has a handgun sprayer. With careful calibration and maintenance of your sprayer, you can have years of dependable operation at an affordable price.

Item	LG25DTS	LG425DTS	LG627DTS
	PUMP		
GPM	2.2GPM		
Pressure	0-60 PSi		
	BOOM		
Style	Metal Breakaway	Heavy Duty Folding Boom	
Nozzles	2	5	7
Coverage	80″	100″	140″
	HANDGUN		
Max Horz.	35′		
Max Vert.	25′		
Hose	15′	25′	

BUILT STRONG... BUILT TO LAST!



Item	Gallons	Ship wt	Price	3+	6+
LG25DTS	25	55 lb	**$420.49**	**$410.61**	**$404.43**
LG425DTS	40	112 lb	**$799.00**	**$778.27**	**$765.32**

AG SPRAY EQUIPMENT 12-VOLT SPRAYERS

Sprayers feature a SHURflow 2.1gpm, 100psi pump to handle a wide variety of spraying tasks. Equipped with an in line strainer at the pump for simple filtering. Agitation valve designed to keep solutions mixed and also allows for adjustable pressure at the spray gun. Equipped with 30′ of hose and TeeJet 22670 spray gun with 15″ extension and adjustable nozzle. Powder-coated steel trailer models available with and without spray boom. Spray boom models provide an 8′ spray pattern and feature quick connectors and screens to ensure consistent spray pattern. MOTOR FREIGHT DELIVERY.

Item	Description	Ship wt	Price
TS15A	15 Gal w/agitation	15 lb	**$318.20**
TS25A	25 Gal w/agitation	20 lb	**$329.23**
2T25A*	2-wheel 25 Gal w/o boom	65 lb	**$448.37**
2T25B8*	2-wheel 25 Gal with boom	75 lb	**$643.20**

POLYETHYLENE TANKS Ideal for irrigating where no water is available. Tanks can also be used for agricultural chemicals, industrial chemicals, or for use on commercial spray equipment. 50 - 200 gallon tanks will come with 1″ FPT fitting, plug, and garden hose thread adapter. 325 and 525 gallon tanks come with 2″ FPT fitting, plug, reducer, and garden hose thread adapter. Tanks above 50 gallons ship motor freight.

Item	Gal.	H x W x L	Ship wt	Price	3+	6+
47016	50	22″ x 19″ x 38″	24 lb	**$516.44**	**$503.79**	**$495.89**
47017	100	28″ x 30″ x 38″	50 lb	**$563.02**	**–**	**–**
47261	200	37″ x 36″ x 48″	76 lb	**$827.64**	**–**	**–**
40217	325	43″ x 38″ x 68″	120 lb	**$792.31**	**$773.75**	**$762.15**
47256	525	54″ x 49″ x 71″	150 lb	**$1,014.63**	**$994.44**	**$981.83**

SKID SPRAYER 100 GAL WITH HONDA ENGINES

Designed for green industry professionals!
Whether your spot spraying around the nursery or landscape, treating lawns or performing tree care applications, you'll appreciate the quality and performance of these sprayers. High quality Udor diaphragm pumps offer maximum durability and the Honda engines provide reliable power and smooth starts. Models feature adjustable pressure and jet agitation. Welded steel frames with black powder coat finish. 100 gallon polyethylene tank. Choose hose and reel options that are best for you. Standard with Greene Garde Trigger Spray Gun, Add "-L" to model number to substitute GES spray gun with Lesco Chemlawn Spray Gun with 2gpm tip. MOTOR FREIGHT DELIVERY.

V100-K43-300 **$5,856.35**

12-VOLT SPRAYER

Entry level sprayer without agitation still offers quality SHURflow pump. Equipped with a 1.8gpm, 60psi pump, in-tank filter, 15′ of hose and TeeJet 50800 spray gun with adjustable tip.

TS15E	15 Gallon	Ship wt 19 lb	**$164.18**		
TS25E	25 Gallon	Ship wt 24 lb	**$235.59**	**3+ $231.55**	**6+ $229.02**

Designed for pesticides, fertilizer, insecticides, and horticultural solutions.

HOSE ASSEMBLY

800 psi hose rating. Kink resistant rugged PVC. Pipe fittings installed.

Item	Size	Ship wt	Price
HP38150	3/8″ x 150′	38 lb	**$228.98**
HP38300	3/8″ x 300′	75 lb	**$428.75**
HP12150	1/2″ x 150′	38 lb	**$276.30**
HP12300	1/2″ x 300′	75 lb	**$522.27**

Self-Mount

KINGS SPRAYERS

ALL KINGS UNITS INCLUDE THESE FEATURES:

- Durable polyethylene tank
- 30′ of 3/8″ clear PVC reinforced spray hose
- 9′ wiring harness
- 12 volt self priming diaphragm pump
- Large 5″ fill well with vented lid
- 3/4″ tank drain for easy cleanup
- In-line suction side strainer
- Trigger Jet® spray gun with 15″ extension and adjustable nozzle

KINGS SELF MOUNT 15 & 25 GALLON TANK SPRAYERS

The perfect size for use around your yard, garden, or farm! Both lightweight and portable, these versatile sprayers have quickly become a favorite among homeowners, nurseries, golf courses and turf maintenance professionals. These sprayers can be mounted on golf cart, ATV, or pick up truck. These 12V models come complete with wiring harness and battery clips for direct connection to the battery of your mower or utility vehicle. **UPS shippable.**

5/5/1 Warranty: 5 year on frame, 5 year on tank, 1 year on parts and labor.

Item	Type	Capacity	Pressure	Weight	Price	3+	6+
K15A	Agitation	15 Gallons	1.8 gpm, 45 psi, equipped with adjustable pressure and jet agitation with vortex nozzle to keep solution thoroughly mixed.	25 lb	**$448.37**	**$441.69**	**$437.51**
K25A	Agitation	25 Gallons	1.8 gpm, 45 psi, equipped with adjustable pressure and jet agitation with vortex nozzle to keep solution thoroughly mixed.	30 lb	**$459.69**	**$453.67**	**$449.90**

SNOWEX 12 GALLON LIQUID SPRAYER

If eco-friendly brine solutions are the preference for snow and ice removal, the SnowEx liquid sprayer is the perfect tool to apply liquid solutions. Powered by a 12-volt electric pump at one gallon per minute at 60 psi. The rechargeable battery will fully charge in 12 to 16 hours. Easily apply solutions with the heavy duty wand for tough spots like steps or use the boomless front nozzle for long walkways. Powder coated frame and one-piece LLDPE safety yellow poly tank holds 12 gallons. 48″x 33″x 28″. Ship wt 60 lb.

SL80 $984.38 3+ $961.92 6+ $947.88

WHEEL SPRAY WHEELED SPRAYER 6 GAL WITH 72" SPRAY WIDTH

Motorless ground-driven sprayer does not require gasoline or batteries for accurate chemical applications. Designed for grounds maintenance, nurseries, municipalities and general lawn care. Use to safely apply liquid fertilizers, fungicides, herbicides, insecticides or growth regulators. Corrosive-resistant pumping system is controlled by the wheels. Applies consistently at a rate of 1000 square feet per gallon, regardless of the speed of the sprayer. Handle grip shut-offs for easy spray control and extra large tires to tackle rough terrain. Non-farm implement. Complete brochures available. Ground, 6 gallon tank, 72" area swath. **Made in the USA.**

485P $1,332.14 3+ $1,317.14 6+ $1,307.76

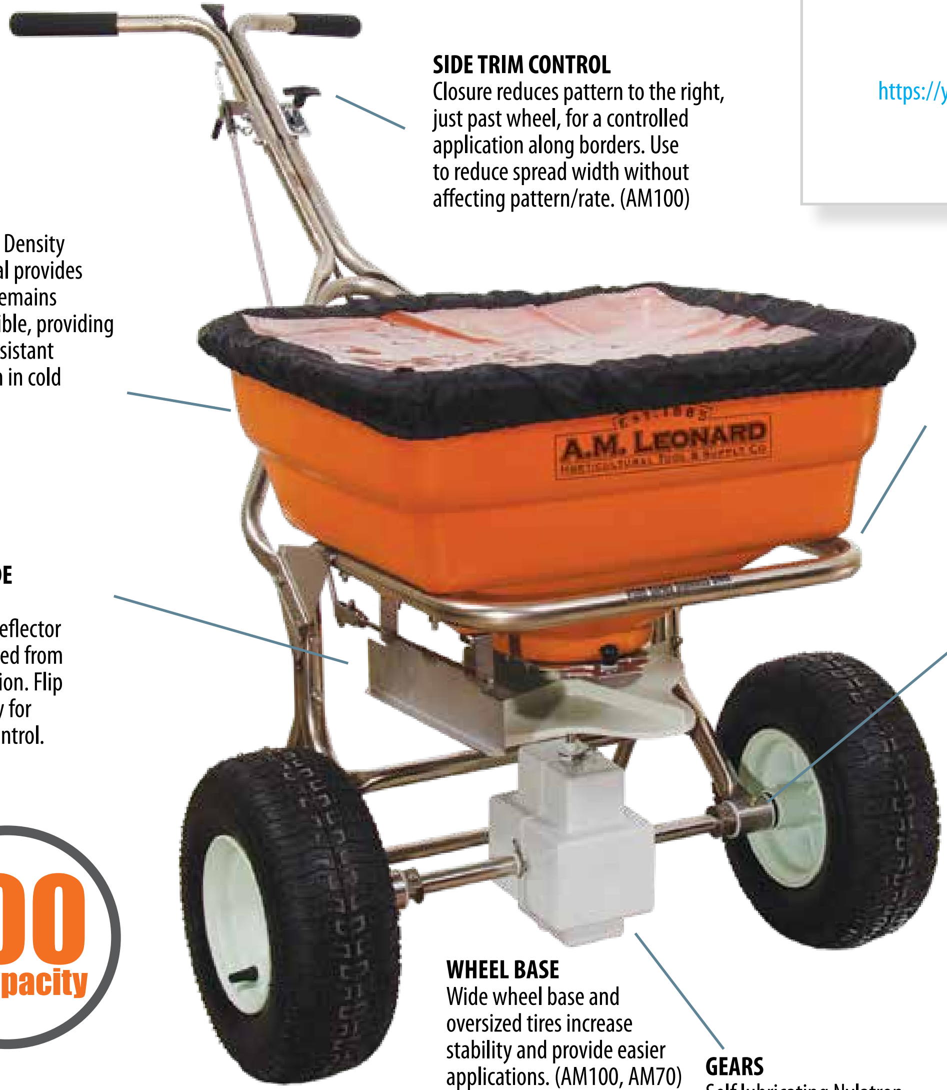
WHEEL SPRAY WHEELED SPRAYER 10 GAL WITH 72" SPRAY WIDTH

The WS-0 Greens Wheelie is a 10 gallon push-type commercial unit featuring a ground-driven pumping system. The pumping system is made of corrosive-resistant materials and is used extensively by golf course professionals on the greens, the collars and around the clubhouse. The 10 gallon tank will cover approximately 10,000 sq. ft. at the rate of 1000 sq. ft. per gallon in a 6' swath. The faster it is pushed, the faster it pumps. When the operator stops, the sprayer stops pumping. The spray pattern (72") is delivered from (2) nozzles in the form of tiny droplets providing a steady, uniform application. The shut-off controls, located on the handle grips, allow the operator to use the nozzles independently.

490P $1,560.16 3+ $1,541.68 6+ $1,530.12

TOP-OF-THE-LINE, 100LB CAPACITY

https://youtu.be/tdMbMNSCmfI



SIDE TRIM CONTROL
Closure reduces pattern to the right, just past wheel, for a controlled application along borders. Use to reduce spread width without affecting pattern/rate. (AM100)

HOPPER
The Linear Low Density Hopper material provides a hopper that remains somewhat flexible, providing good impact resistant properties even in cold temperatures

SINGLE PIECE TUBULAR FRAME
Single piece tubular steel main frame provides commercial strength. (AM100, AM70)

OPTIONAL SIDE DEFLECTOR
Optional side deflector is lever controlled from the user's position. Flip down on the fly for quick border control.

AXLE
Stainless steel axle, impeller shaft and on-off assembly for extended wear and durability. (AM100, AM70)

100 lb. capacity

WHEEL BASE
Wide wheel base and oversized tires increase stability and provide easier applications. (AM100, AM70)

GEARS
Self lubricating Nylatron gears are strong and provide smooth operation.

AM100 LINE – The AM100 line offers a premium spreader that will apply ALL types and sizes of flowable material with perfect pattern and accuracy! From fine "Tees & Greens" fertilizer, turf and pre-emergents, to coarse ice melters.

LIFETIME WARRANTY

LEONARD PROFESSIONAL 100 LB CAPACITY BROADCAST SPREADERS

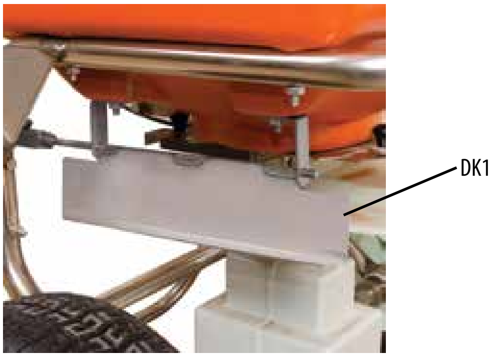
Top-of-the-line, state-of-the-art spreader, designed with the professional in mind, and packed full of features! Precise spread applications with a variety of materials, is achieved by flow control at the gate and on-the-go fingertip control at the handle. The broad stance and full foot-rest maximize stability, yet allow you to maintain a full stride in comfort due to the extended length handle. Welded/bolted frame is strong and provides corrosion resistance for long service life. Hopper is made from high strength Polyethylene making it flexible with excellent cold impact strength. Setting adjustment is quick with easy-view rate control. The positive linkage and spring loaded on/off control ensures quick, controlled start/stops. Large 13" pneumatic tires roll easily over smooth and rough terrain. Includes screen and hopper cover. 100 lb. capacity frame, 8-12' spread width, 13" diameter pneumatic tires, 3/16" poly hopper. Ship wt 41 lb. **Made in the USA. Lifetime Warranty.**

AM100S	Stainless Steel Frame	**$699.64**	**3+ $691.01**	**6+ $685.62**
AM100P	Powder Coat Frame	**$589.79**	**3+ $578.74**	**6+ $571.84**

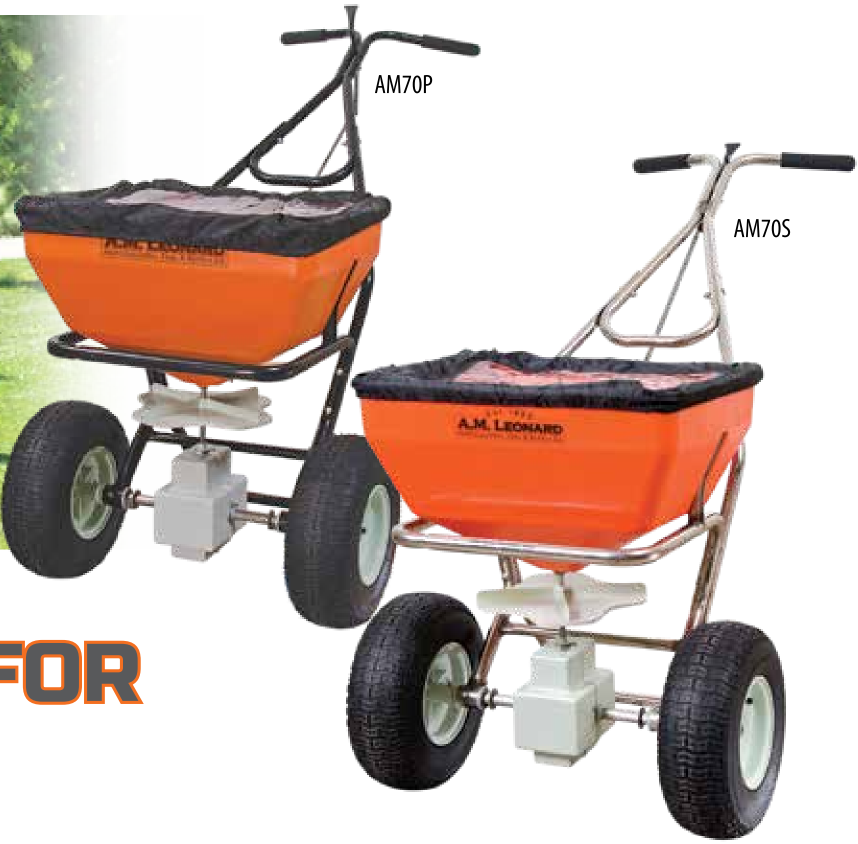
OPTIONAL DEFLECTOR KIT

The stainless steel side deflector plate minimizes waste of materials onto hardscapes and prevents possible damage to landscapes. Handle-mounted control lever allows for use while on the go. Ship wt 1.7 lb.

DK1 **$89.49**



70
lb. capacity



TOP GRADE FEATURES FOR ANY JOB

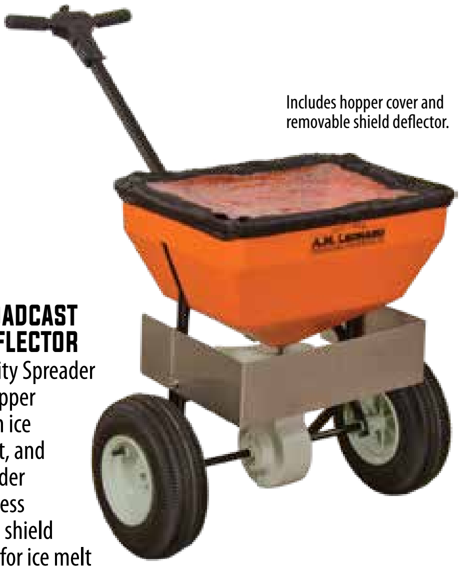
LIFETIME WARRANTY

LEONARD PROFESSIONAL 70 LB CAPACITY BROADCAST SPREADER

Leonard 70lb spreader boasts a strong welded sub frame, large 3/4" axle, big 13" tires, heavy duty tool-less gear cover, and an adjustable pattern control". These features are equipped to take on professional demands. You'll also get additional features like: Extended handle that gives plenty of foot room; wide stance that provides excellent stability; easy-view and easy-set rate control that makes settings a breeze. Positive linkage that gives instant gate control, and spring-loaded On/Off control assists gate opening and locks shut to prevent accidental opening during transport. Hopper cover and screen included. Ship wt 34 lb. **Made in the USA. Lifetime Warranty.**

Item	Description	Price	3+	6+
AM70S	Stainless Steel Frame	$646.56	$636.52	$630.24
AM70P	Powder Coat Frame	$445.30	$436.41	$430.85
DK2	Full Deflector Shield	$56.91	–	–
DK3	Side Deflector	$106.71	–	–

70
lb. capacity



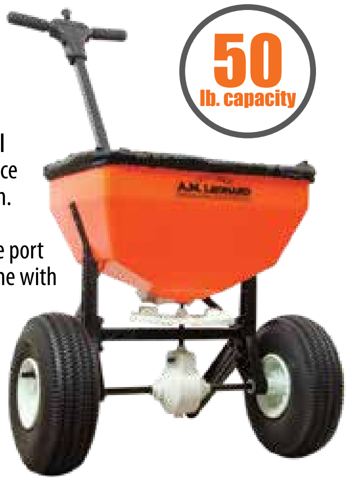
Includes hopper cover and removable shield deflector.

LEONARD 70 LB BROADCAST SPREADER WITH DEFLECTOR

The Leonard 70 lb Capacity Spreader features a single port hopper design allowing use with ice melters, bagged rock salt, and turf fertilizers. The spreader is equipped with a stainless steel 3-sided, removable shield reducing spread pattern for ice melt applications to sidewalks. Large 13" pneumatic tires and self lubricating gears keep the spreader rolling smoothly over a variety of terrain. Other features: Instant open thumb latch mechanism, powder coated frame, dial type rate gate adjustment, rust proof poly rims, tool-free gear cover, partially assembled. Free Hopper cover included. Wt 24 lb. **Made in the USA.**

AM70LP $339.89 3+ $331.96 6+ $327.00

50
lb. capacity



LEONARD 50 LB CAPACITY BROADCAST SPREADER

This model has an updated, poly/steel frame for increased corrosion resistance to salts and fertilizers. Basic but tough. Leonard's 50 lb spreader is great for smaller applications. Features a single port hopper made from strong Polyethylene with agitation wire at base for complete dispersal of materials. Dial-type rate adjustment. 6'-10' spread width. For ice melt applications, push spreader at 2-1/2 mph to reduce width of spread. 10" diameter pneumatic tires. Hopper cover included. Ship wt 16 lb. **Made in the USA.**

AM50P $198.69 3+ $193.84 6+ $190.81

SINGLE PORT
Single port hopper is familiar and reliable, and the "bag-and-a-half" capacity covers most residential jobs with one fillup.

CHAPIN 70 LB CONTRACTOR SPREADER

Chapin Contractor Spreader is just the right spreader for the demanding schedule of lawn care and landscape professionals. Key sturdy features are the all steel frame with a powder-coated finish to guard against corrosion. The gear system is enclosed to protect it against debris. Solid steel gate linkage with an adjustable gate for closing off gate openings for the ultimate control of where you want material to go and keeping it out of areas you don't, or to control the amount applied. Use with fertilizer or seeds. Hopper gate and rain cover included.

82050C $278.41 3+ $274.64 6+ $272.28

CHAPIN 80 LB CONTRACTOR SPREADER

Contractor turf spreader with an 80 lb. capacity hopper with enclosed gear system to withstand the elements and supported by a rugged powder-coated steel frame. Heavy duty features for longevity such as solid steel gate linkage and adjustable rotary gate for spreading a broad range of product size. Spread pattern control lever for precise spreading of material. Adjustable rotary gate with cast zinc-plated agitator. Rubber grip t-handle for comfortable operating. Includes rain cover. Ship wt 30 lb.

8301C $320.78 3+ $316.03 6+ $313.05

HAND-CRANK SPREADERS FOR SMALLER JOBS

CHAPIN HAND CRANK SALT SPREADER

Hand crank 1.6 liter salt spreader with a clever toothed edge for breaking up and scooping up material. Perfect for spreading ice melt or salt over small areas like steps where larger spreaders can't go. You can adjust the gate opening depending on what you are spreading. Ship wt 1 lb.

8705A $33.36 3+ $32.69 6+ $32.26

CHAPIN PROFESSIONAL BAG SEEDER

Heavy-duty canvas bag has a moisture barrier lining to protect the contents from the elements and a zipper top for easy filling and closing. It holds up to 25 lb. of grass seed, fertilizer or de-icer pellets and granules. The metal gears are enclosed to prevent debris interference and the gate opening is adjustable to accommodate a range of product. All great features in a handy spreader for those small jobs where you want complete control. Ship wt 3.5 lb.

84700A $49.95 3+ $48.93 6+ $48.29

CHAPIN HAND CRANK 1.6 LITER SPREADER

Chapin hand crank spreader is idea for small areas. The scoop design is light weight but durable. It can be used for spreading seed, fertilizer or salt and ice melt products. There is 3-gate adjustment settings to accommodate the range of product and a trigger gate control. The gears are enclosed to keep debris out and keeps the unit running smooth. Ideal to keep on hand for all year long use. Ship wt 4.2 lb.

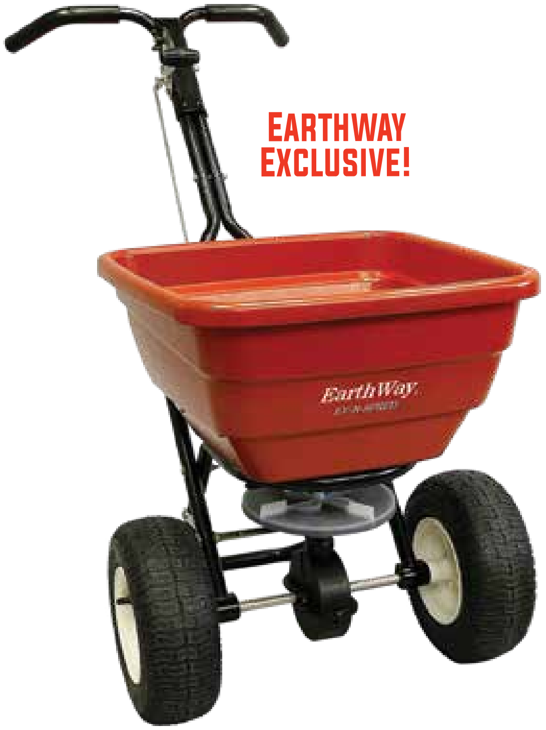
8706A $27.63 3+ $26.83 6+ $26.33

CHAPIN PROFESSIONAL ROCK SALT DROP SPREADER

This professional rock salt drop spreader is like no other drop spreader on the market! All stainless steel metal components. The one-piece solid stainless steel hopper with rolled edges has no welds. There are two independent stainless steel augers in the hopper to maintain an even spread throughout the job. The split axle design allows the chain driven agitators to operate independently and breaks up clumps which can be a problem when spreading rock salt. The 200 lb capacity is easy to maneuver with the addition of the third idler wheel in the middle backside of the spreader. The discharge holes for the material is located behind the wheels for a full 36" drop width allowing the operator to cover more ground in one pass. 12" wide tread pneumatic tires for maximum traction. Ship wt 76 lb.

8500B $1,349.05

COMMERCIAL BROADCAST SPREADERS



EARTHWAY EXCLUSIVE!

Low-output shutoff kit

F13130HKIT

High-output shutoff kit

F13130HKIT

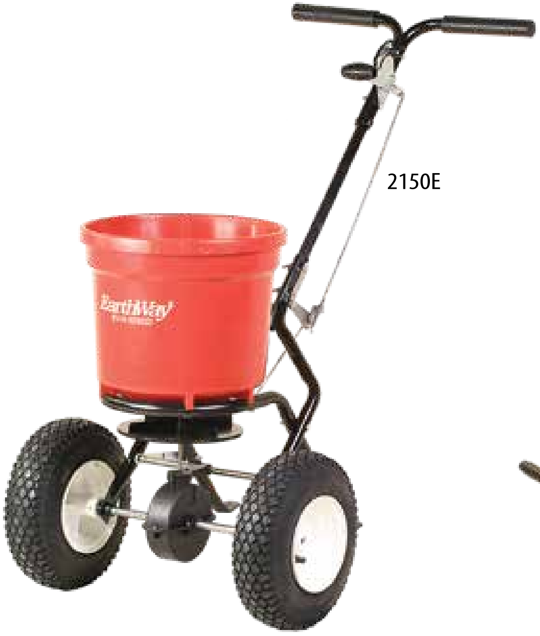
EARTHWAY PROFESSIONAL SPREADER

The EV-N-SPRED® FLEX-SELECT Interchangeable Tray System is exclusive to EarthWay®! 80lb hopper capacity, 13" diameter stud type tires on rust proof poly rims, 2-position height adjustable handle, built in Side Spread Control at the pull of a lever. You can select one of three optional uniquely suited "trays" that includes precision-engineered apertures and shut-off systems for all kinds of materials and output rates. Frame has a load-bearing capacity of 250 lb. Includes standard output tray with dual port shutoff for most granular material. Add a Low-Output Tray and Shut-off Kit (F13130LKit) for lightly applied products like Fire Ant Bait. Add a High-Output Tray and Shut-off Kit (F13130HKit) to spread heavily applied products like PennMulch®, rock salt, or sand.

80 lb Spreader, Ship wt 30 lb
F80PD **$438.85** **3+ $433.20** **6+ $429.66**

Low-output Tray & Shut-off Kit, Ship wt 5 lb
F13130LKIT **$79.40** **3+ $76.92** **6+ $75.36**

High-output Tray & Shut-off Kit, Ship wt 5 lb
F13130HKIT **$79.40** **3+ $76.92** **6+ $75.36**



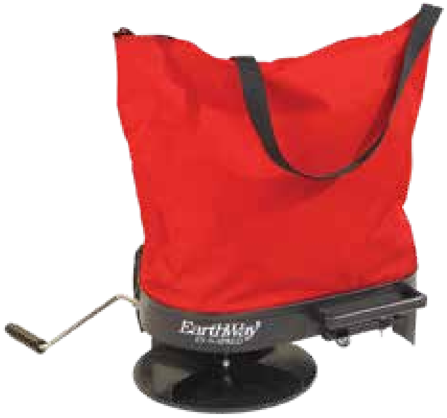
2150E

EARTHWAY 50 LB COMMERCIAL SPREADER

Compact commercial spreader with 50 lb capacity poly hopper. Handle includes 3-position setting which can be adjusted to match user's height, easing operation. Spreader is equipped with EV-N-SPRED® 3-hole drop shut-off system that allows fine tuning for optimum spread pattern. 13" diameter stud type tires are on rust-proof poly rims, providing smooth maneuvering even at capacity. Frame is epoxy powder-coated and offers a 175 lb load-bearing weight. Debris screen is included to filter out large clumps, maintaining a consistent flow rate. Ship wt 25 lb. **Made in the USA.**

Item	Description	Price	3+	6+
2150E	Spreader	**$413.57**	**–**	**–**
77001	Hopper Cover	**$31.67**	**–**	**–**
60166R	3-Sided Deflector	**$64.82**	**$63.12**	**$62.05**

SMALLER CRANK SPREADERS



EARTHWAY HAND OPERATED BAG SPREADER/SEEDER

20 lb. Nylon bag with zippered top. Features convenient spring action flow setting and an enclosed gear box. Unique oscillating shut off plate prevents clumping and aids in flow control. Ship wt 4 lb. **Made in the USA.**

E27 **$66.45**

EARTHWAY PROFESSIONAL HAND CRANK SPREADER

Field-tested for uniform, controlled performance. Ideal for rough or uneven terrain areas where a wheeled spreader won't work. Heavy-duty enclosed gears are guaranteed for two years; double stainless steel adjusting plates for accurate spread pattern control. Jumbo 40 lb capacity hopper. Epoxy-coated steel frame. Wide shoulder straps for comfort. Ship wt 10 lb. **Made in the USA.**

3100E **$249.67**

ATV SPREADERS

EARTHWAY 80 LB ATV SPREADER

Specifically made for ATVs, this spreader features an Easy Quick-connect horizontal mount system. It has a heavy-duty 12V motor, positioned inside the hopper, which is enclosed in a thermo-plastic case for protection. Includes a wiring harness and on/off switch. 80 lb capacity. Rust-proof poly hopper. Powder-coated. Fits most brands of ATVs. Hopper cover included. Ship wt 14 lb.

M20 **$356.16**

EARTHWAY 250 LB 12 VOLT SPREADER

The ultimate 12-Volt broadcast spreader with a big 250 lb capacity. Stainless steel frame resists corrosion for long life, and allows both vertical and horizontal mounting. The EV-N-SPRED® Dual Port PRO adjustable shutoff allows operator to balance pattern across a wide variety of materials. The remote mounted electronic control module controls both the on/off of the motor, and also the open/close position for material flow. Control on-the-go quickly and easily. M80ECM's high torque 12-volt motor is mounted in the hopper, protected from the elements by a thermoplastic case. Includes hopper cover. Ship wt 51 lb.

M80ECM **$1,987.97**

HAND-HELD SPREADERS

EARTHSHAKER HAND SPREADER

The Earthshaker Hand Spreader holds up to 80 ounces of material. It features a durable plastic construction and an adjustable dial. Its twist on/off lid protects the material inside from moisture. Earthway finishes off this hand spreader with a comfort grip. It is perfect for spreading fertilizer in those hard-to-reach spots in your landscape beds and garden. It is also great for spreading ice melt on your sidewalk or for seeding grass. With the just a twist of the adjustable dial, you have the right opening for the job.

SH17012 **$31.17**

WARREN HAND CRANK SPREADER WITH 20LB POLY HOPPER

Ideal for seeds, herbicide or fertilizer! Multi-purpose, ultra-light spreader with adjustable precision flow-rate control. Tough, high impact poly and stainless steel construction for easy care, trouble free operation. Holds up to 20 lb. Wt 8 lb.

T711 **$148.00 3+ $144.11**
6+ $141.68

SOLO HAND CRANK SPREADER WITH 20 LB POLY HOPPER

Designed for spreading most granular materials over uneven areas more evenly than a wheeled spreader! Non-rusting polyethylene hopper is durable and easy to clean, and holds 20 lb. Fingertip controls are a convenient way to adjust the volume and direction of the spread, and the agitator improves the uniformity. Gear box is fully enclosed and the metal gears are lubricated for longer life and durability. Filling is easy with the large 6" opening that keeps dust and spillage to a minimum. Designed with comfortable cross shoulder padded straps.

421S **$126.00 3+ $121.97**
6+ $119.45

LARGE CAPACITY DROP SPREADERS

DROP SPREADERS FOR PRECISE COVERAGE AROUND LANDSCAPING!

SPYKER 120 LB DROP SPREADER

36" commercial drop spreader has two side-by-side metal hopper sections allowing the operator to spread 18" or 36" widths for precise and consistent coverage. Ideal for starting new lawns by putting down grass seed exactly where you want it. In winter, apply ice melt to sidewalks and driveways to the edge without wasting product where you don't want it or burning grass or items in your landscape. 13" pneumatic tires and powder-coated steel frame. 120 lb hopper capacity. 44.75″ x 46.5″ x 27″ assembled size. Ship wt 65 lb.

P7012	**$668.40**	**3+ $655.35**	**6+ $647.19**

36H12

36H13

GANDY TOWABLE DROP SPREADER WITH 225LB CAPCITY STEEL HOPPER AND PNEUMATIC TIRES

Professional spreaders are built tough and include an stainless steel rate gate bottom that is corrosion resistant and easily and quickly removable, without tools, for cleaning. Standard with independent rotor bars that facilitate even distribution of materials, 225 lb capacity, 42-inch spread width. Tow models. Pneumatic tires are 16-inch diameter.

42T16	**$1,337.60**

GANDY DROP SPREADER WITH 120LB STEEL HOPPER AND RUBBER TIRES

Built tough and include a stainless steel rate gate bottom that is corrosion resistant and easily and quickly removable, without tools, for cleaning! Standard with independent rotor bars that facilitate even distribution of materials, 120 lb capacity, 36" spread width.

36H12	12″ Semi-Pneumatic Tires	**$761.60**
36H13	13″ Pneumatic Tires	**$860.80**

SPYKER BROADCAST SPREADERS

SPYKER 50 LB SPREADER

Spyker's 50 lb spreader with poly hopper is an exceptional value for the price. Handle height is adjustable for best match to operator. Positive "direct drive" On/Off operates smoothly and neatly. 10" pneumatic tires roll easily over smooth to semi-rough terrain. Enclosed aluminum gears resist corrosion for long service life. Includes screen and hopper cover. Frame is powder coated against corrosion. Ship wt 28 lb.

Item	Description	Ship wt	Price	3+	6+
P2050	Spreader	28 lb	**$298.80**	**$294.73**	**$292.19**
KSP09	Full Deflector	1 lb	**$91.49**	–	–
1008211	Side Deflector	.7 lb	**$25.42**	**$24.90**	**$24.58**

SPYKER 120 LB POLY HOPPER SPREADER

Super tough, one-piece welded, stainless steel frame ensures maximum durability! Spreader features an increased spread rate range capable of applying just about any material, from seed, fertilizers to high volume ice melt, sand, and penn mulch products. 120 lb hopper provides large area coverage with less fill-up stops. High performance with years of smooth, consistent performance. Positive (direct drive) On/Off operates smooth and easy. 13"pneumatic tires roll easily over smooth to rough terrain. Enclosed metal gears warranted for life. Equipped with Accu-Way Spread Pattern Evener. Screen Included.

S60120 $1,049.04 3+ $1,034.98 6+ $1,026.19

SPYKER PRO LARGE CAPACITY TOW SPREADER

Super tough, one-piece welded, stainless steel 1-1/8" frame ensures maximum durability. Big 175 lb capacity frames provide large coverage areas without stops. High quality with years of smooth, consistent performance. Positive direct drive On/Off operates smooth and easy. 13" pneumatic tires roll easily over smooth or rough terrain. Enclosed steel gears warranted for life. Equipped with Accu-Way™ Spread Pattern Evener. Screen Included. Powder-coated Frame. Ship wt 41 lb.

P30175 $498.45 3+ $497.36 6+ $496.68

IDEAL FOR LARGE-SCALE COMMERCIAL USE!

SALTDOGG® TAILGATE SALT SPREADER FOR COMMERCIAL USE

This SaltDogg® tailgate spreader is ideal for commercial use with bulk salt or salt/sand mix (with optional vibrator available by special order) in driveways, residential areas, parking lots and commercial properties. It works with 1/2 ton, 3/4 ton and 1-ton trucks. The spreader has a low-profile poly hopper with double-wall construction for durability and corrosion resistance. It is 8 cu. ft. in size and holds up to 600 lb of material. Powered by a 1/2 HP 12V dual shaft gear motor controlled by a variable speed in-cab controller. The 12" poly spinner can spread material up to 30'. It mounts with a 2" class 4 hitch with patented horizontal and vertical adjustments. Ship wt 160 lb. **Made in the USA.**

TGS03 **$3,253.29** **3+ $3,207.87** **6+ $3,179.49**

SALTDOGG®
TAILGATE SALT SPREADER
FOR LIGHT COMMERCIAL/RESIDENTIAL USE

This SaltDogg® tailgate spreader is ideal for small scale commercial use, residential driveways or parking lots. It works with 1/2 ton, 3/4 ton and 1-ton trucks. The durable, corrosion-proof poly hopper has an 8 cu. ft. capacity (up to 602 lb), ideal for bagged #1 rock salt. The supportive carbon steel frame is powder-coated to protect it from corrosion. Mounts to the step bumper with mounting system included. Other hitch mount options are available. It is powered by a 1/2 HP, 12V motor that is directly wired and controlled by a variable speed in-cab controller (comes pre-wired for optional vibrator kit). The 9" poly spinner in the base of the hopper can cast material up to 30'. Ship wt 135 lb. **Made in the USA.**

TGS01B **$1,462.60**

SNOWEX 5.75 CU FT TAILGATE SPREADER

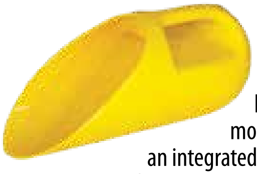
SnowEx model SP-575X-1 comes with a standard 2" receiver mount, making it ideal for a variety of vehicles. Durable poly hopper can hold 5.75 cu. ft. or 460 lb of material. The spinner motor is electric powered from the vehicle and it is protected from the elements by the patented sealed drive enclosure. The variable speed digital control features a diagnostic display, LED lights and convenient accessory buttons. The harness wiring is heavy-duty, non-combustible automotive-style wiring. At the base of the hopper is a 3" high flow auger to evenly spread rock salt, calcium flakes, calcium chloride pellets or ice melters up to 40' spread area. 20-1/2" x 35" x 38". Ship wt 120 lb.

SP-575X-1 **$1,989.32** **3+ $1,951.72** **6+ $1,928.22**

SNOWEX 3.25 CU FT TAILGATE SPREADER

Professional grade broadcast spreader for snow and ice management operations. The SnowEx Tailgate Spreader has a 3.25 cu ft or 260 lb capacity. The spreader comes standard with a 2" receiver mount for attaching to a variety of vehicles. Variable speed control that mounts in the cab, adjusts the spinner speed depending on how wide of an application you want to broadcast. The 12 volt spinner motor draws electric power from the vehicle and is protected from the elements by a sealed drive enclosure. At the base of the hopper is a 3" high flow auger to spread rock salt or calcium flakes. Fitted lid to protect product from the elements. 18" x 33" x 33". Ship wt 79 lb.

SP325TGS **$1,343.68** **3+ $1,325.31** **6+ $1,313.83**



SNOWEX SALT SCOOP

Heavy duty salt scoop constructed on one molded piece of non-corrosive poly with an integrated handle. The ideal companion to the salt storage box for scooping rock salt, sand, or other de-icing material. Half gallon capacity. Ship wt 1.65 lb.

SP05 **$22.90**

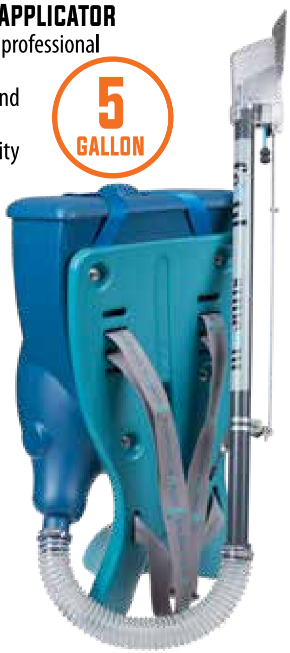
A.M. LEONARD'S
PRO+
YOUR PURCHASES COUNT TOWARDS PRO+ BENEFITS!
LEARN MORE

Prices subject to change without notice.
Images not necessarily to scale in relation to each other.

GRANULAR APPLICATORS

FERTIL™ DISPENSER ADJUSTABLE GRANULAR APPLICATOR

A revolution to top dressing that meets the demand of professional growers, providing accuracy and efficiency. Adjust the dose from 2 to 25 grams and apply granular fertilizer and herbicides in record time, up to 1500 plants per hour. Accurate applications improve the quality and uniformity of your crop and with the Fertil Dispenser consistency is certain to each plant. Gravity feeds the granular material to the control wand and metered amount is dispensed with the press of a lever. Weight of only 6.8 lb, and the padded shoulder straps alleviates stress when full. 5 gallon capacity. **Includes optional moisture protective cap and deflector plate attachments.**

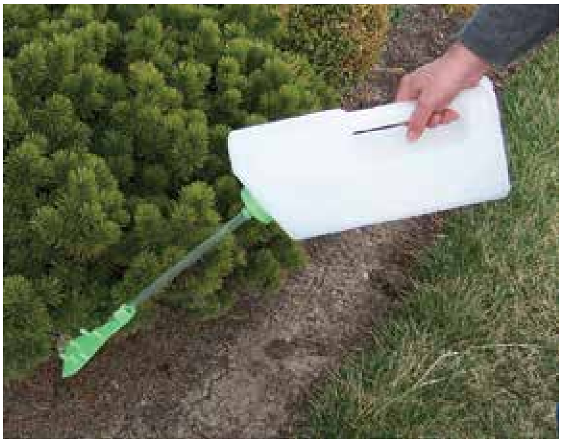


5 GALLON

- **Precise Metering** – Improve quality & uniformity of crop.
- **Adjustable Rate** – Wide range of applications with doses from 2 to 25 grams.
- **Easy Applications** – Fill, adjust rate, press lever.
- **Cost Savings** – Up to 1500 applications per hour.

FTL5 $578.46 3+ $568.56 6+ $562.37

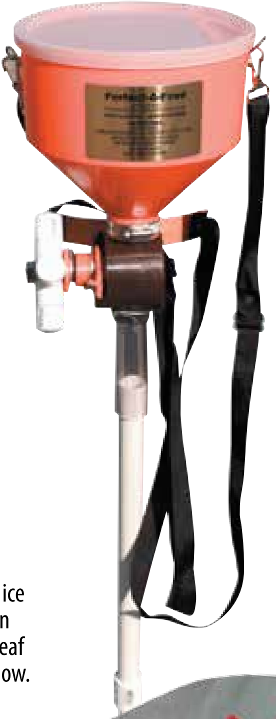
A PROVEN SOLUTION FOR FIELD AND CONTAINER PRODUCTION.



SPRED-RITE® G

A quick, easy, and more precise way to spread granular herbicides, insecticides, and fertilizers. Two sizes of orifice discs and a unique deflector paddle control the flow of granules. Holds 5 lb. Gravity feed operation allows between 2″ to 4″ and up to 3′ of coverage. Ship wt 2 lb.

SR313 $69.45 3+ $68.64 6+ $68.14



PERFECT-A-FEED

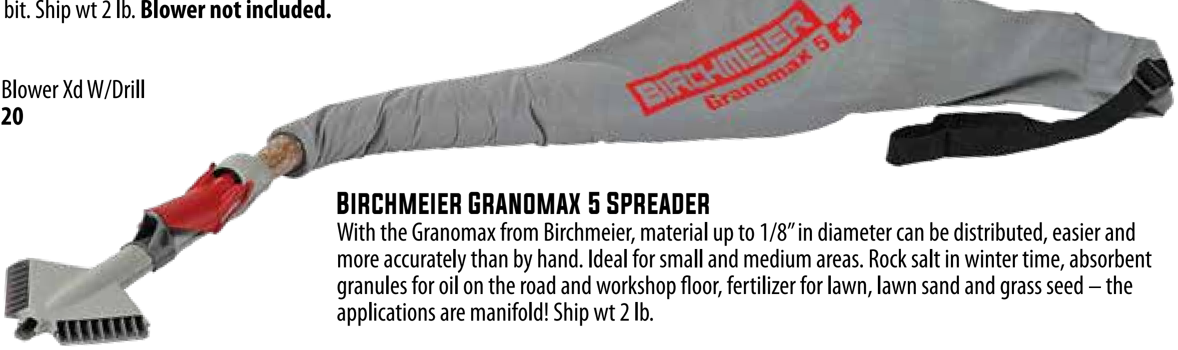
Precise applications with no over or under feeding; field tested for complete satisfaction. Easily and consistently applies granular products to containerized stock. A simple turn of the knob dispenses material. Internal core can be changed for varying rates; comes standard with one teaspoon and one tablespoon cores*. 5 qt capacity. Ship wt 3 lb. * Please call for additional core options.

PAF $234.60
3+ $230.98
6+ $228.72

EXTREME BLOWER™ SPREADER

Turn your leaf blower into a granular applicator with the patent pending Extreme Blower™ Spreader. Apply granular material such as fertilizers, insecticides, weed control products and ice melt. It even works with sowing seeds. Airflow from the blower optimizes material dispersion for even distribution of material. Extreme Blower spreader can be installed on your existing leaf blower in as little as 5 minutes. A flow gate on the base can be adjusted to control material flow. Close the flow gate completely and your back to business as a leaf blower. Model EBP005XD comes with the 1″ drill bit. Ship wt 2 lb. **Blower not included.**

EBP005XD Extreme Blower Xd W/Drill
$53.12 3+ $52.20
6+ $51.62



BIRCHMEIER GRANOMAX 5 SPREADER

With the Granomax from Birchmeier, material up to 1/8″ in diameter can be distributed, easier and more accurately than by hand. Ideal for small and medium areas. Rock salt in winter time, absorbent granules for oil on the road and workshop floor, fertilizer for lawn, lawn sand and grass seed – the applications are manifold! Ship wt 2 lb.

GRAN05 $63.70 3+ $62.16 6+ $61.19

DEFEND YOUR CROPS & PLANTS FROM BIRDS AND OTHER PESTS

PROTEKNET INSECT NETTING

Eliminate or reduce pesticide use with Proteknet insect netting. Available in several sizes to meet your production needs. It can be used in fields and greenhouse productions. Mesh size is .35mm x .35mm, keeping out insects such as aphids, Japanese beetles, leafhoppers, sawfly, thrips, whitefly and many more. Finished edges of this UV treated, knitted netting won't unravel and will last 2-3 years maybe longer depending on use and storage. Water and airflow is unobstructed. Approximately 90% light transmission and 62% porosity. Also protects against birds, frost, hail and more.

Item	Overall Dim.	Ship wt	Price
PKN6932	6.9′ x 32′	1.25 lb	**$54.52**
PKN69328	6.9′ x 328′	12 lb	**$417.91**
PKN69820	6.9′ x 820′	29 lb	**$945.40**
PKN14328	14′ x 328′	24.5 lb	**$741.47**
PKN21328	21′ x 328′	35 lb	**$1,175.32**

KNOWING WHAT KIND OF PEST YOU'RE UP AGAINST, IS THE FIRST STEP.
A.M. LEONARD

Reduce Wormy Apples!
CODLING MOTH & ORIENTAL FRUIT MOTH TRAP
Pesticide Free, Non-Toxic
protect your fruit from destructive apple moth worms!

CODLING & FRUIT MOTH TRAP

Reduce wormy apples! Codling moth larvae bore into fruit and cause undisired apples. Oriental Fruit Moth larvae attack both fruit and young shoots. They are also pests of apricots, almond, plum, cherry, peach, quince and english walnuts. This monitoring trap contains a dual pheromone to attract both moth types to the sticky surface inside the trap. Each package contains 2 traps and 2 lures. **Application:** Place traps with lures just before trees are in full bloom and will extend for 8 weeks.

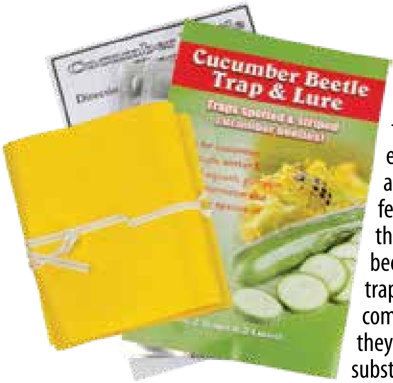
P3435 $24.31 3+ $23.54 6+ $23.05

A.M. LEONARD
A.M. LEONARD

LEONARD DOUBLE SIDED INSECT TRAPS

2-in-1! Yellow on one side, and blue on the other. Pests are attracted to different colors, which is why we have made our Leonard sticky traps to be yellow and blue, yielding the best results. Yellow sticky traps are used to trap and monitor whiteflies, fungus gnats, shore flies, winged aphids, leafminers, scale, and many others. Blue traps are used to trap and monitor flying adult thrip populations. Ship wt .25 lb. **Sold in packs of 25.**

AM-YB25 $47.87 3+ $46.34 6+ $45.38


Cucumber Beetle Trap & Lure
Traps spotted & striped cucumber beetles!

CUCUMBER BEETLE TRAP & LURE

Capture and monitor cucumber beetles with this non-toxic trap! This package contains everything you need to trap or monitor spotted and striped cucumber beetles. The yellow trap features a long-lasting, non-toxic adhesive that traps the insects. An included lure attracts beetles to the trap. This pack contains one trap and one lure. Cucumber beetles are a pest common to crops in the cucurbit family. Though they prefer these types of crops, they also cause substantial damage to other crops. This trap is a non-toxic option for monitoring or eliminating these destructive pests. To use, place one trap for every 2,000 square feet for monitoring insect activity; use one trap every 400 square feet for pest control. Place a single lure on or near each trap. The lure continues to attract beetles for three to four weeks depending on temperature. Replace the sticky trap when it becomes covered with insects or dirt.

CB3436 $18.21 3+ $17.87 6+ $17.66

PROTECTIVE NETTING AND BUG CONTROL

POND AND PLANT PROTECTION NETTING

Strong, lightweight, durable and reusable protection for ponds, plants, fruit trees and gardens. Versatile, multi-use netting is UV-treated to increase longevity. Won't interfere with normal plant growth. Black 3/4" square mesh.

Item	Size	Use	Ship wt	Price	3+	6+
725PN	7' x 20'	Bird Control/Garden	.5 lb	**$10.53**	**$10.37**	**$10.27**
144PN	14' x 14'	Bird Control/Tree & Garden	.5 lb	**$10.53**	**$10.34**	**$10.23**
288PN	28' x 28'	Bird Control/Tree & Garden	3 lb	**$28.25**	**$27.40**	**$26.88**
145PN	14' x 45'	Bird Control/Garden	2 lb	**$29.44**	**$28.73**	**$28.28**
2A140066	7' x 100'	Deer Fence/Trellis Net	3 lb	**$32.16**	**$31.23**	**$30.65**

VENERATE® CG ORGANIC BIO-INSECTICIDE

OMRI Listed. (Strain A396 cells and spent fermentation media 94.46%). Features multiple modes of action and is effective against a wide variety of pests. It is compatible with any IPM program and reduces insect resistance. **Controls:** Aphids, armyworms, cabbage looper, mites, thrips, scale, leafhoppers, leafrollers, mealybug, caterpillars, fruitworm, and more!

VENERQT	Quart	Ship wt 3 lb	**$83.10**
VENER1G	Gallon	Ship wt 10 lb	**$173.55**

MONTEREY MOSQUITO CONTROL

Contact Insecticide (Bifenthrin .3%). For use around trees, shrubs, roses, ornamentals and house or building foundations to kill mosquitos that could transmit diseases like West Nile virus. Parameter spraying into shrubbery and trees where mosquitos hide until evening is ideal for control. Controls a host of insects for up to a 6 week period. Thoroughly wet foliage, but do not let runoff occur. **Mix Rate:** 1.5 fl. oz(3 Tbs.) per gallon of water. **Controls:** Mosquitos, aphids, armyworms, bagworms, elm leaf beetles, cutworms, Fall cankerworms, Fall webworms, mites and more. 1 quart jug. Ship wt 2 lb.

LG6279 $15.61 3+ $15.24 6+ $15.01

STINK BUG DEAD INN™ TRAP

Pesticide-free way to trap and monitor all types of stink bugs away from your valuable fruit and vegetable crops. The Dead-Inn™ stink bug trap uses pheromone technology that lures 2nd to 5th stage nymphs and adult stink bugs. Place trap at least 25' from garden and fruit trees. Open lure packet and place in clear top dome. Use metal stakes or elastic bands with hook rings included to secure. Stink bugs will crawl through the center opening but can't get back out. One lure lasts 4-5 weeks. Trap is 17" tall x 6-1/4" wide at the base. Not for use indoors. Ship wt 1 lb.

SB3441 $36.07 3+ $35.30 6+ $34.82

Replacement Lure. Ship wt .3 oz.

SB3442 $14.38 3+ $14.05 6+ $13.85

DELUXE BIRD BARRICADE

Protect your prized plants and all your hard work from destructive birds, scavenger animals and other pests with Deluxe Bird Barricade. Deluxe Bird Barricade is an environmentally safe mesh netting made from polyethylene strands bonded together with a 1/4" hole opening and UV-treated for longer lasting durability. Deluxe Bird Barricade is the humane way to prevent animals from feeding on and harming trees, bushes, flowers and other plants. Get more than one season by storing it away from sunlight when protection is no longer needed. 14' x 14' size is perfect for draping over small fruit trees and tying off around trunk.

Item	Size	Ship wt	Price
BB720	7' x 20'	2 lb	**$30.99**
BB1414	14' x 14'	3 lb	**$43.09**
BB1445DELUXE	14' x 45'	7 lb	**$101.60**

NO-TANGLE HEAVY DUTY BIRD NETTING

Strong and durable, yet flexible and easy to use netting designed to control birds coming to the garden, vineyard or orchard to feast on crops. Mesh size is 2/3 x 3/4" and made of heavier weight resin to resist tangling. Treated for UV resistance for increased longevity to be used for several years.

Item	Dim.	Mesh	Ship wt	Price	3+	6+
HDN145	14' x 50'	2/3" x 3/4"	8 lb	**$76.51**	**$74.06**	**$72.53**
HDN141	14' x 100'	2/3" x 3/4"	14 lb	**$149.00**	**$144.23**	**$141.25**
HDN142	14' x 200'	2/3" x 3/4"	36 lb	**$277.99**	**$269.09**	**$263.53**

GET THE HONK OUT OF HERE!

AVEX BIRD AND GEESE REPELLENT

Birds are a major problem with crops like blueberries, cherries, grapes and sweet corn. Plus geese can cause problems on golf courses, or in parks or barns and buildings. Avex is a new generation repellent with the food grade active ingredient Methyl Anthranilate, it has a grape odor and it irritates the pain receptor with the bird's sense of taste and smell. A biodegradable and nontoxic way to keep birds away from valuable crops or areas. Apply at a rate of 1 pint per 2.5 gallons of finished solution per acre. Begin applying when crops ripen or birds begin feeding.

AVEX25 **$386.94** **3+ $381.85** **6+ $378.66**

GOOSE STOPPER
GOOSE STOPPER
GOOSE STOPPER

MESSINA WILDLIFE'S GOOSE STOPPER REPELLENT SPRAY

No rotten egg smell! A pleasant spray you use just once a month to repel annoying geese! An effective, all-natural, pleasant-smelling, liquid repellent made with putrescent egg solids, rosemary oil and mint oil. For use on all lawns, flowers, shrubs, forest, and fruit trees. Plus, it's a great value, too! Prevents foraging by geese and other small herbivores. Works by smell and taste.

Item	Size	Coverage	Ship wt	Price	3+	6+
GSCHS	1 quart	10,000 sq ft	3 lb	**$44.76**	**$43.85**	**$43.28**
GSC128	1 gallon	40,000 sq ft	9 lb	**$142.34**	**$139.12**	**$137.10**
GSC320	2.5 gallon	100,000 sq ft	23 lb	**$256.08**	**$251.61**	**$248.81**

DEFEND YOUR PLANTS FROM RELENTLESS BIRDS!

BIRD CONTROL NETTING

Professional grade netting to protect your crops from bird damage. Drop over crops or wrap around the entire tree. Economical and lightweight, durable and can last through many seasons. Designed for blueberries, strawberries, produce, fruit trees and grapes. Sizes available for vineyards and orchards. UV-stabilized and resistant to chemicals. Fine filaments for good air circulation.

Item	Overall Dim.	Ship wt	Price	3+	6+
Black Color, .79" x .79" Mesh Size					
ONL140	14' x 100'	7 lb	**$85.62**	**$84.44**	**$83.71**
ONL500	14' x 500'	20 lb	**$307.98**	**$298.44**	**$292.48**
ONL141	14' x 1000'	37 lb	**$501.01**	**$487.69**	**$479.37**
ONL145	14' x 5000'	162 lb	**$1,869.03**	**$1,826.46**	**$1,799.86**
ONL425	3.5' X 5000'	41 lb	**$461.30**	**$453.97**	**$449.39**
Green Color, .39" x .47" Mesh Size					
ONS138	13' x 820'	31 lb	**$483.82**	**$472.63**	**$465.63**

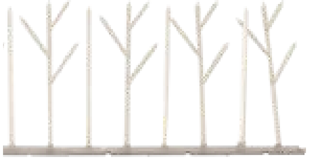
BIRD REPELLENT GEL

Birds can carry disease and mites. If they are roosting or nesting in areas that are unacceptable, use Bird-X bird proof transparent gel to keep them clear of ledges, sills, peaks, arbors, fences and many more surfaces you want to keep clean. Polybutene tacky gel is a non-toxic, inexpensive solution to reduce bird damage. Apply a line of gel, with a caulking gun, where you do not want birds to land. If they do land, they will find the sticky surface uncomfortable and won't stay long and learn not to return to that area. 10 oz. tube covers approximately 10 linear feet per tube. Ship wt 1 lb.

BP10Z **$9.57** **3+ $9.39** **6+ $9.27**

BIRD-X
BIRD PROOF
TRANSPARENT REPELLENT
TO DISCOURAGE PIGEONS AND STARLINGS FROM BUILDINGS AND STRUCTURES
WARNING

SP10NR



STS10R

BIRD SPIKES
Keep BIRDS OFF!

BIRD SPIKES™ ROOST INHIBITOR

A solution to an aggravating problem, apply these sharp spikes wherever birds land or roost. Plastic kit includes 10' of needle stripping with 3" wide strips and adhesive. Stainless steel version is 10' with 6" width coverage. Secure with construction grade adhesive, or wire, plastic ties, straps, nails, or screws. Ship wt 3 lb.

SP10NR	Plastic	**$25.92**	**3+ $25.42**	**6+ $25.11**
STS10R	Stainless steel	**$33.22**	**3+ $32.58**	**6+ $32.17**

SCARE AWAY NUISANCE BIRDS!

LIFELIKE MENACING COYOTE

Get rid of annoying, and often destructive Canadian geese, ducks, rabbits, skunks and other pests with this safe and humane deterrent. Three dimensional, for full 360˚ coverage. Life sized flexible weatherproof EVA resin coyote measures 37". Unfolds and sets up in seconds. Assumes a realistic shape that changes positions in the breeze. Includes: coyote, sturdy metal stake, and a furry tail. 37"L x 8"W x 16"H. Ship wt 4 lb.

COY3 **$67.01** **3+ $65.43** **6+ $64.44**

KEEP RODENT POPULATIONS UNDER CONTROL WITH TRAPS AND BAITS

ROCK RODENT BAIT STATION - Need a rodent bait station to blend in with your beautiful landscape? Try the Rodent Rock Bait Station from JT Eaton. It is designed to discreetly blend in with surroundings but provide a valuable function of eliminating rodents. Holds most types of rodent baits and will also hold traps. Removable insert tray for easy cleaning. Plastic rock-shaped station has a spring lock key system for safety to protect non-target mammals, pets and children. Bait is not included. Size is 11"x10"x3.75". Ship wt 2.5 lb.

928GR $21.80 3+ $21.35 6+ $21.06

Shown with #704PBB Bait.

704AB

704PBB

PEANUT BUTTER AND APPLE FLAVORED BAIT BLOCKS

First generation anticoagulant with the active ingredient Diphacinone. Palatable to Norway rats, roof rats and house mice. Place in tamper-resistant bait stations for outdoor, above-ground and indoor use to protect non-target mammals, pets and children. For best results, remove other feed sources. Each bait block is 2 oz.

Item	Flavor	Count	Price	3+	6+
704AB	Apple	64	**$23.29**	**$22.78**	**$22.46**
709AB	Apple	144	**$47.76**	**$46.57**	**$45.82**
704PBB	Peanut Butter	64	**$23.29**	**$22.90**	**$22.65**
709PBB	Peanut Butter	144	**$49.87**	**$48.27**	**$47.28**

SNAKE STOPPER REPELLENT

All natural Snake Stopper, made from cedar oil, cinnamon oil, clove oil and sulfur. Drives snakes away from yards, gardens, patios, sheds, wood piles and other places where snakes are a problem. It does not harm snakes, it simply triggers escape or avoidance behavior. Apply a band 6-8" wide around area you want to protect. **1 lb treats 100 sq ft.** Cannot ship to AK. Ship wt 4 lb.

BON875 $19.43 3+ $19.05 6+ $18.80

KEEP PESKY ANIMALS OUT OF BEDS

MESSINA WILDLIFE'S SQUIRREL STOPPER

Messina's Squirrel Stopper is the key to keeping squirrels and chipmunks out of gardens, homes and other structures. All natural Squirrel Stopper can be used indoors or outdoors by creating a sensory barrier that works by smell, taste and feel that squirrels and chipmunks do not like. Pleasant to use with an odor free formula and dries clear. Squirrel Stopper is an excellent first line of defense. Available in 32oz and gallon sizes in ready to use spray bottles.

SQU016	32 oz	**$19.33**	**3+ $18.71**	**6+ $18.32**
SQU128	1 Gallon	**$29.76**	**3+ $28.93**	**6+ $28.41**

MESSINA WILDLIFE'S DOG AND CAT STOPPER GRANULAR REPELLENT

Safe granular repellent from all natural ingredients of putrescent egg solids and mint oils, to keep cats and dogs from digging, bedding down or unwanted entry in flower beds or landscape areas. Works by smell, taste and feel. Can apply every 30 days regardless of weather or watering.
2.5 lb covers 1,800 sq ft.

WWG001	2.5 lb	**$18.13**	**3+ $17.79**	**6+ $17.58**
WWG005	5 lb	**$41.26**	**3+ $40.18**	**6+ $39.51**

PROTECTION FROM PESTS AND POWER TOOL DAMAGE

LEONARD TREE BARK PROTECTORS

Deer, squirrels, rabbits and woodchucks cannot bite or rub tree bark through this rigid plastic mesh. Trunks are shielded by open mesh, which prevents moisture and mildew buildup. Also, the protectors won't harbor insects and animals, and won't inhibit growth. These tubes are more attractive than other solutions and designed to blend in. Flexible and easy to install, in three lengths, 4" diameter. **Sold as a bundle of 5 protectors, priced per bundle.**
Made in the USA.

Item	Diameter	Length	Ship wt	Price	8+	16+
BG24	4"	2'	2 lb	**$19.29**	**$18.80**	**$18.49**
BG36	4"	3'	3 lb	**$27.16**	**$26.47**	**$26.03**
BG48	4"	4'	5 lb	**$38.27**	**$37.29**	**$36.68**
TG24	6"	2'	2 lb	**$21.94**	**$21.35**	**$20.98**
TG36	6"	3'	3 lb	**$31.18**	**$30.34**	**$29.82**
TG48	6"	4'	5 lb	**$42.58**	**$41.43**	**$40.72**

Note: Due to nested packaging, outer guards will need to be compressed back into shape during installation. Tying them together with a twist-tie will do the trick.

NO RABBIT DAMAGE!
NO ANTLER RUB DAMAGE!

DEER AND RABBIT DETERRENTS

Concentrate Makes 16 Gallons!
LIQUID FENCE
Deer&Rabbit Repellent
Concentrate
Deer&Rabbit Repellent
LIQUID FENCE

LIQUID FENCE® DEER AND RABBIT REPELLENT

All natural, long lasting Liquid Fence will stop both deer and rabbits from eating your flowers, shrubs, vegetable plants, trees and vines. Repels with a safe, natural egg and garlic base. Rain resistant formula - once it dries is only noticeable to animals, not humans.

Qt Conc. makes 3 gallons of spray solution to cover 6,000 sq ft. Ship wt 3 lb.
110LF $43.72

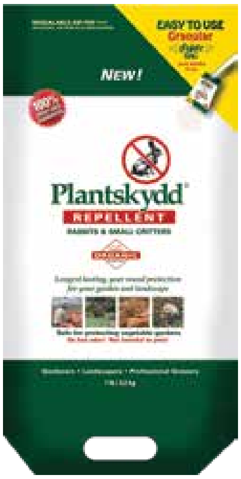
Gal Conc. makes 10 gallons of spray solution to cover 20,000 sq ft. Ship wt 9 lb.
111LF $167.02 3+ $164.04 6+ $162.17

ALSO AVAILABLE IN GRANULAR FORM!

DEER & RABBIT

Long-lasting granular is rain resistant. Dries odorless. Safe for use on edible crops. Just spread on ground for all low-growing plants up to 24" high. Liquid Fence Granular covers 20,000 sq ft. Ship wt 40 lb.

70769 $184.37 3+ $179.68 6+ $176.75


EASY TO USE Granular
NEW!
Plantskydd
REPELLENT
RABBITS & SMALL CRITTERS

OMRI LISTED

PLANTSKYDD® REPELLENT GRANULES

Highly effective critter control in a long lasting granular form specially formulated **for rabbits and small critters**. No mixing, no mess, just shake it on. Not harmful to pets or humans. OMRI listed organic biodegradable pest control to keep unwanted visitors from destroying your prized plants. Bonus feature in that it also acts like a fertilizer due to the active ingredient of dried blood which is rich in nitrogen. Lasts 6-8 weeks. **Made in the USA.**

PS-G7	3,500 sq ft, Ship wt 7 lb	
$51.36	**3+ $50.46**	**6+ $49.90**
PS-G20	12,000 sq ft, Ship wt 20 lb	
$161.80	**3+ $157.07**	**6+ $154.12**

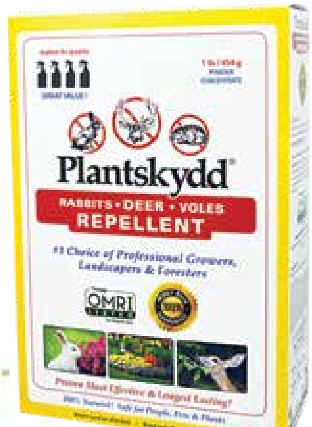
Plantskydd
VOLES • RABBITS • DEER
REPELLENT

OMRI LISTED

PLANTSKYDD® GRANULAR REPELLENT

The most effective and longest lasting animal repellent on the market! This product works by producing an odor that animals associate with predators. Plantskydd® is all-natural and biodegradable. Use it to deter many small animals including rabbits, hares, voles, squirrels, chipmunks, and opossums. It also works on larger animals like deer, elk, and moose. Plantskydd® works best for plants less than 24" in height. This product is safe for lawns, ornamentals, and edible plants. Covers up to 4,000 square feet. Plantskydd® is proudly **made in the USA.** Ship wt 8 lb.

PS-V8 $67.82 3+ $65.96 6+ $64.80


Plantskydd
RABBITS • DEER • VOLES
REPELLENT
#1 Choice of Professional Growers, Landscapers & Foresters
OMRI

OMRI LISTED

PLANTSKYDD® REPELLENT SOLUBLE POWDER

OMRI listed. All natural deer repellent lasts **3-4 months** during growing season, up to 6 months over winter. Repels by scent for best results. Non-offensive odor to people. Active ingredient is dried blood meal, environmentally safe. Developed for commercial forest planting in Sweden, now produced in the USA. Rainfast in 24 hours. Repels deer, rabbit and elk. Acts as a foliar feed fertilizer on many plants. 2.2 lb soluble powder concentrate treats 400-600 seedlings. **Made in the USA.**

SK01	150 Tablets	Ship wt 2 lb.
$37.08	**3+ $36.25**	**6+ $35.74**
SK02	500 Tablets	Ship wt 9 lb.
$68.69	**3+ $66.76**	**6+ $65.56**

PLOT SAVER
KEEPS DEER OUT

PLOTSAVER DEER REPELLENT SYSTEM

Create a barrier around your property that deer won't penetrate! Unlike other repellents, PlotSaver does not require direct application to protect plant material and keeps deer at bay by protecting an area up to one acre for 3 months. Easy to use just string the absorbent poly-tape ribbon around the perimeter of plants at 30" above the ground at deer muzzle height, then spray the PlotSaver™ Deer Repellent with a sprayer. Each application last up to 30 days before reapplying. Kit includes 1320'L x ¾"W untreated ribbon and a 32oz of PlotSaver™ Deer Repellent concentrate. Stakes, clips and refills are available. Ribbon is reusable for future use.

System includes: 1,320' White Plotsaver Ribbon and 32 oz Plotsaver Quart Concentrate. (Stakes and clips are needed for proper installation, not included)

PSK-KIT	System	**$83.86**	**3+ $82.01**	**6+ $80.85**
PSC032	Additional Quart Conc.	**$33.48**	**3+ $33.08**	**6+ $32.83**

PSST039

You can use your own stakes, or our Plotsaver fiberglass stakes to complete your set up. Fiberglass stakes measure 39" x 3/8".

PSST039	30 Stakes	**$59.05**	**3+ $57.66**	**6+ $56.80**
PSCL039	30 Clips	**$10.99**	**3+ $10.78**	**6+ $10.65**

MESSINA WILDLIFE'S DEER STOPPER

Pleasant-smelling, liquid repellent for use on all flowers, shrubs, forest and fruit trees to prevent browsing and rubbing damage from deer, moose and elk. Mix one part concentrate to nine parts water. Each bottle makes ten times its "ready to use" counterpart. Quart will make 2.5 gallons while the gallon size will make 10 gallons. Active ingredients, putrescent egg solids, rosemary oil and mint oil.

DEER STOPPER
DEER STOPPER

Item	Size	Coverage	Ship wt	Price	3+	6+
CONCENTRATE						
DSC032	1 qt	10,000 sq ft	4 lb	**$42.61**	**$41.48**	**$40.77**
DSC128	1 gal	40,000 sq ft	10 lb	**$137.99**	**$134.84**	**$132.87**
READY TO USE						
DSU016	1 qt	1,000 sq ft	3 lb	**$12.52**	**$12.37**	**$12.27**
DSU128	1 gal	4,000 sq ft	10 lb	**$31.55**	**$30.63**	**$30.06**

REPELLEX SYSTEMIC DEER AND ANIMAL REPELLENT TABLETS

Repellex Systemic Animal Repellent is the only product on the market to systemically protect plants from damage caused by deer and other animals. Unlike other repellent products which are sprayed onto the plant surface, Repellex Systemic Animal Repellent is absorbed through the roots and protects plants from the inside out. Repellex Systemic Animal Repellent was developed for use on landscape plants and non-edible crops. The active ingredient is capsaicin, a concentrated extract of hot chili peppers. Since it can't be washed off the plant, it should not be applied to crops for consumption. **UP TO 90 DAYS OF PROTECTION.**

REP150	150 Tablets	Ship wt 2 lb.
$58.27	**3+ $56.59**	**6+ $55.53**
REP500	500 Tablets	Ship wt 9 lb.
$159.80	**3+ $156.84**	**6+ $154.98**

PROTECT YOUR SHRUBS AND ARBORVITAE!

DEER-TERRENT PLANT NETTING COVERS

Easily installed and removed, Deer-Terrent Plant Netting Cover protects plants and shrubs of various sizes, the small will cover shrubs up to 3' tall, and the medium will cover up to 4-1/2' tall. The unique attachment design eliminates the worry of the netting blowing away or moved by animals. While on plants the netting will not impede new growth. Easy to remove in the spring when food becomes more available for deer. Wrap a little tighter to provide protection from snow and ice.

DEER RESISTANT NETTING
Deer-Terrent

Item	Size	Use On	Price	3+	6+
DTCVR-SM	6' x 6'	Shrubs up to 3' tall	**$12.64**	**$12.36**	**$12.18**
DTCVR-MD	10' x 10'	Shrubs up to 4-1/2' tall	**$14.39**	**$14.03**	**$13.81**
DTWRP	18' x 5'	Arborvitaes up to 10' tall x 5' dia.	**$14.39**	**$14.03**	**$13.81**

8 ESSENTIAL STEPS TO DEER FENCING

STEP 1: MEASURE THE PERIMETER AND CHOOSE HEIGHT 6 FOOT, 7 FOOT OR 8 FOOT.

KOMELON 45 SERIES 14-1/3" DIAMETER MEASURING WHEEL

The 14.3" wheel is large enough to provide accurate measurements across rough off-road terrain. It also features a composite tread to help improve traction on smooth surfaces! 5 digit counter reads up to 10,000' and features a spring loaded kick stand. The telescoping handle is adjustable from 17" to 30" with a comfortable pistol grip handle. Ship wt 5.8 lb.

MK4512 $66.89 3+ $65.14 6+ $64.04

STEP 2: NUMBER OF POSTS NEEDED

Take the total linear feet of your perimeter and divide by 20 to get the number of posts you'll need. **Example: 300' ÷ 20 = 15**

Post Packs – Made from 055 hot zinc-dipped galvanized steel these will last 30 years+. With a special black vinyl coating which allows the posts to blend into the natural landscape. Post Pack includes sleeve and standard cap. Heights are listed in finished heights.

Item	Dimensions	Ship wt	Price	3+	6+
DEE8205	1-5/8" x 8' (7 pk)	87 lb	**$230.60**	–	–
DEE8210	1-5/8" x 7.5' (7 pk)	84 lb	**$342.22**	**$333.30**	**$327.73**
DEE8206	1-5/8" x 6' (7 pk)	49 lb	**$286.16**	**$277.65**	**$272.33**
DEE8067	Driver Cap for install	5 lb	**$34.75**	**$34.26**	**$33.95**

STEP 3: MONOFILAMENT

Monofilament is used to draw the fence tight. To determine how much filament you'll need, take your total perimeter feet and multiply by two. **Example: 300' x 2 = 600'**

DURALINE MONOFILAMENT

DuraLine is a UV and weather-resistant line, and unlike PET and wire, will never lose tension. Features a solid core monofilament made from the highest quality Polyamides delivering decades of performance. Will not kink or lose tension like lower quality PET. UV Protected as well as being resistant to pesticides, fungicides and fertilizers.

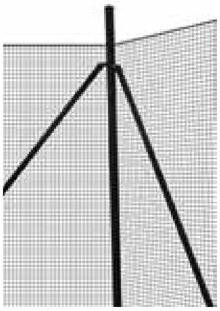
Item	Size	Length	Price	5+	10+
BDL-25-1000	2.5mm	1,000'	**$60.65**	**$59.78**	**$59.24**
BDL-3-1000	3mm	1,000'	**$101.09**	**$99.47**	**$98.46**
BDL-3-4450	3mm	4,450'	**$303.29**	–	–
BDL-4-1000	4mm	1,000'	**$151.64**	**$149.46**	**$148.10**

STEP 4: GROUND STAKES

Ground stakes keep the fence down, preventing animals from pushing under. Find the number of stakes you'll need by dividing your perimeter length by 5. **Example: 300' ÷ 5 = 60**

These 12" Kinked Galvanized Aluminum Deer Fence Stakes are used to secure the bottom of our deer fencing to the ground to prevent deer from crawling under the fence. We recommend the stakes be placed approximately every 5' along the bottom of your deer fence. Pack of 30 stakes. Ship wt 7 lb.

DEE8015 $25.62



STEP 5: CORNERS AND END POSTS

This two-pack kit includes all the corner posts, brace posts and hardware needed to secure a corner, sharp turn, or for added bracing along your deer fence. Each corner kit comes complete with two 2-1/2" diameter vinyl-coated corner posts, four 1-1/4" diameter brace posts, four coupling sets with bracebands, nuts and bolts, two corner post extensions, and two decorative caps. With this 2-pack kit, you'll have everything you need to construct two complete corners. **NOTE: This kit does not come with ground sleeves like the regular fence post kits. You can bury the posts alone or set them in a little quick-setting concrete.**

DEE8080	6'	Ship wt 49 lb	**$193.47**	**3+ $189.93**	**6+ $187.71**
DEE8062	7-1/2'	Ship wt 74 lb	**$244.15**	**3+ $240.21**	**6+ $237.75**

DEER FENCE END POST

End posts are critical to support garden and perimeter fences. The end posts are larger, 2.5", and stronger than standard line posts. The end posts have additional bracing to withstand the additional force that is put on by the fencing and monofilament. Each end post comes with one 1-5/8" brace post attached at a 45° angle to provide strength and stability.

6' tall. Ship wt 3 lb.
TCE6 $67.46 3+ $66.50 6+ $65.91

7-1/2' tall. Ship wt 7 lb.
TCE75 $85.24 3+ $83.41 6+ $82.27

YOU STILL NEED TO GET IN AND OUT!

STEP 6: ADD A GATE

Add driveway and access gates to gain access to fenced areas. Comes with the outer frame, hardware and inner frame. The outer supporting frame is made with 1-5/8" pipe and the inner swinging gate is made with 1-3/8" pipe. Mesh fence sold separately. All dimensions include mounting frame.

DEER FENCE ACCESS GATE

Install in concrete or ground sleeve system (call to special order)

Item	Size	Ship wt	Price	3+	6+
TAG191	7'H x 3'W	62 lb	**$367.63**	**$355.87**	**$348.51**
TAG192	7'H x 4'W	64 lb	**$311.29**	**$303.88**	**$299.25**
TAG193	7'H x 5'W	66 lb	**$325.72**	**$321.09**	**$318.20**

DRIVEWAY GATE

Driveway gates must be installed in concrete

Item	Size	Ship wt	Price	3+	6+
DG202	7'H x 8'W	79 lb	**$446.23**	**$436.23**	**$429.99**
DG210	7'H x 10'W	82 lb	**$430.84**	**$422.95**	**$418.01**
DG212	7'H x 12'W	86 lb	**$311.58**	–	–

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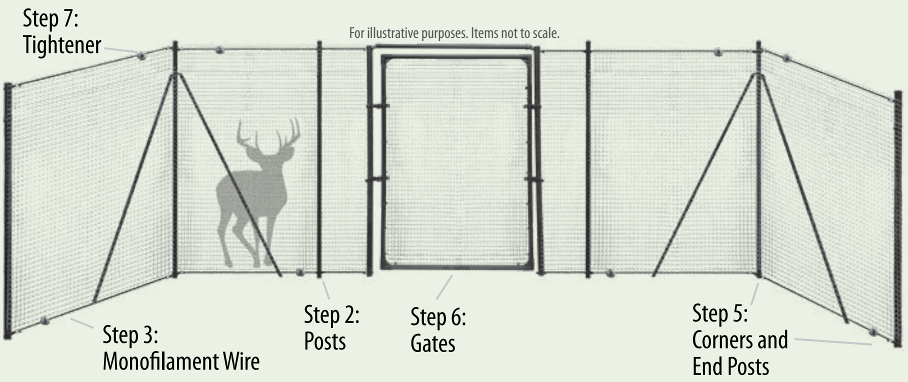


STEP 7: NECESSARY ACCESSORIES

Below are tools and accessories you'll want to consider for any deer fencing project:

MONOFILAMENT TIGHTENER

Need one per line, per side. Ship wt 2 lb

MIS1080 **$5.43** **3+ $5.30** **6+ $5.22**

TIGHTENER TOOL

Simple tool for adding tension to tighteners. Ship wt 2 lb.

MIS1071 **$26.85** **3+ $26.52** **6+ $26.31**

COMPRESSION SLEEVE

A must for securing monofilament lines.
25 pk. Ship wt 1 lb.

DEE8082 **$6.82** **3+ $6.66** **6+ $6.56**

SLEEVE CRIMPING TOOL

Used to compress sleeves. Ship wt 1 lb.

DEE8039 **$37.51**

ZIP TIES

Used to strap fencing to posts and corners.
Ship wt 2 lb.

DEE8057 **$16.80**

ZIP TIES PULLER/CUTTER TOOL

Used to pull and cut zip ties.
Ship wt 2 lb.

DEE8074 **$26.17**

STEP 8: HEAVY DUTY POLYPROPYLENE MESH FENCING

Virtually invisible when installed, yet provides considerable protection. Strong, lightweight, and easy to install. A great alternative to wire and electric fences, and it will last for several seasons due to UV inhibitors added in the material. **Made in the USA.**

Low Pressure: 600-650 lb/ft breaking load.

Item	Size	Ship wt	Price	3+	6+
CN633	6′ x 330′	38 lb	**$292.55**	**$291.10**	**$290.19**
CN610	6′ x 100′	17 lb	**$135.46**	**$133.31**	**$131.97**
CN733	7.5′ x 330′	48 lb	**$347.63**	**$343.53**	**$340.96**
CN765	7.5′ x 165′	25 lb	**$195.92**	–	–
CN710	7.5′ x 100′	10 lb	**$158.10**	**$155.28**	**$153.52**
CN865	8′ x 165′	30 lb	**$206.23**	–	–

Average Pressure: 650+ lb/ft breaking load. 10-15 year lifespan.

Item	Height	Length	Ship wt	Price	3+	6+
T4100	4′	100′	11 lb	**$141.22**	**$136.70**	**$133.88**
T4330	4′	330′	24 lb	**$253.07**	**$247.58**	**$244.14**
T6100	6′	100′	17 lb	**$186.62**	**$181.11**	**$177.66**
T6330	6′	330′	36 lb	**$444.19**	**$430.57**	**$422.06**
T75100	7-1/2′	100′	20 lb	**$190.83**	**$185.49**	**$182.16**
T75330	7-1/2′	330′	50 lb	**$391.49**	–	–

Heavy Pressure: 700-750 lb/ft breaking load. 15-20 year lifespan.

Item	Size	Ship wt	Price	3+	6+
CN7533	7.5′ x 330′	65 lb	**$346.91**	**$341.90**	**$338.78**
CN716	7.5′ x 164′	37 lb	**$188.49**	–	–

Heavy Pressure: 750 lb/ft breaking load. 15-20 year lifespan.

Item	Height	Length	Ship wt	Price	3+	6+
TES75100	7-1/2′	100′	44 lb	**$325.16**	**$314.75**	**$308.25**
TES75330	7-1/2′	330′	55 lb	**$553.27**	**$542.37**	**$535.55**

TENAX HEAVY DUTY ELK FENCING

8′ x 100′ Tenax Heavy-Duty Elk Fencing is a durable polypropylene mesh fencing. Install it around the perimeter of your property to deter problematic animals. Tenax Heavy-Duty Elk Fencing features rounded tensile strands and small joints for enhanced strength and durability. It has a breaking load of 1,400 lb. This fencing is UV-treated for long-lasting use. Mesh size is 1.06″ x 1.46″.

2A15010 **$205.32**

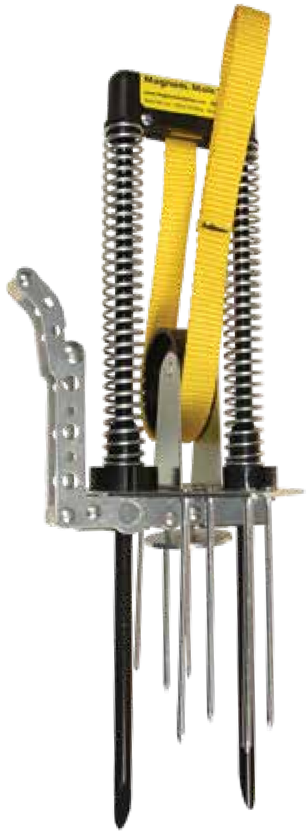
MOLE AND VOLE SOLUTIONS

NEW NASH™ CHOKER LOOP MOLE TRAP

The Nash™ Choker Loop Mole Trap is easy to set up and operate with no bait needed. Made with galvanized steel and cast aluminum, making them rust proof and durable. Placed into the mole tunnel kills cleanly from either direction, as well as making the trap safe to use around children and pets. Ship wt 1.42 lb. **Lifetime warranty. Made in the USA.**

CL-1 $20.79 3+ $20.39 6+ $20.13

Repellex
Strong!



MAGNUM MOLE TRAP

With 76% greater striking power than the competition, the Magnum is for people who are serious about eliminating mole damage. Larger trap area and longer trap zone for maximum effectiveness. Eight steel spikes are set with cam arming, which requires less effort to cock and set the trigger. Precision activation for fewer false alarms. Simply insert in the ground over the active tunnel and set the trigger. Ship wt 8 lb.

MML08
$59.25
3+ $58.32
6+ $57.74

REPELLEX MOLE, VOLE AND GOPHER GRANULAR REPELLENT

Our formulation is designed to be absorbed into soil quickly and disflavor food sources to create an uncomfortable habitat for these pests. During normal weather conditions this product can last up to 60 days. Plant-based ingredients (castor oil, cinnamon, garlic and white pepper) make it safe around children and pets. The granular formula is made with post consumer recycled cellulose which works faster and better than other carrier granules.

Covers 7,000 sq ft. Ship wt 7 lb.
REPM7 $18.53 3+ $17.99 6+ $17.65

Covers 24,000 sq ft. Ship wt 24 lb.
REPM24 $60.73 3+ $58.81 6+ $57.61

VOLE KING® PLANT WIRE BASKETS

Meadow and woodland voles can cause extensive damage to orchards, ornamental plantings and tree plantings by gnawing on the bark of seedlings or more mature trees at the crown. Woodland voles consume small roots, girdle large roots and eat bark from the crown of trees as well as a variety of seeds, fruit and bulbs. Vole King has designed these plant baskets from stainless steel mesh that will not rust. The wire mesh bends and molds around the root ball and crown of plants to insure a lifetime protective layer against voles while allowing the roots to grow through the mesh. Comes in a variety of sizes to accommodate the size of plants. Ship wt .5 lb.

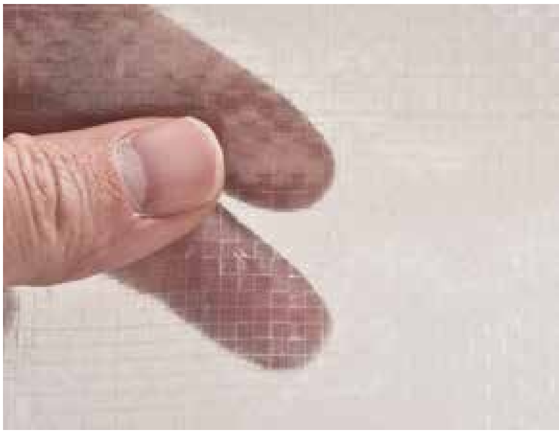
Item	Size	Count	Price	3+	6+
VK12G	1/2 Gallon	4	**$18.64**	**$18.04**	**$17.67**
VK1G	1 Gallon	4	**$15.18**	**$14.97**	**$14.83**
VK23G	2-3 Gallon	4	**$23.91**	**$23.59**	**$23.38**
VK5G	5 Gallon	2	**$15.18**	**$14.97**	**$14.83**
VK15G	15 Gallon	1	**$18.95**	**$18.49**	**$18.21**

PALRING 175 POLY COVERINGS

Heavy weight woven greenhouse cover for all types of cultivation. Long-lasting, extra strength makes it hail and tear resistant. UV package of additives assures superior performance and long life.

- **7-year warranty when double-layered**
- **4-year warranty as single layer**
- **UV additives assure performance and long life**
- **IR additives**
- **Hail and tear resistant**
- **Anti-Drip**
- **Can be sewn into insect netting**
- **32% diffusion**

Item	Width	Length	Ship wt	Price
P17524105	24'	105'	97 lb	**$561.33**
P17524155	24'	155'	142 lb	**$848.37**
P17530105 NEW	30'	105'	97 lb	**$698.45**
P17530155 NEW	30'	155'	142 lb	**$1,031.04**
P17532105	32'	105'	128 lb	**$745.31**
P17536105 NEW	36'	105'	153 lb	**$838.14**
P17536155 NEW	36'	155'	153 lb	**$1,237.25**
P17542105	42'	105'	169 lb	**$977.86**
P17542155	42'	155'	247 lb	**$1,427.50**
P17548105 NEW	48'	105'	169 lb	**$1,117.52**
P17548155 NEW	48'	155'	247 lb	**$1,649.67**



NEW POLY LATCH/WIGGLE WIRE BUNDLES

Securely attached film, shade cloth and insect netting to structures with high quality wiggle wire and poly latch base. Holds material up to 20 mil. Use for baseboard and conform to arch shapes.

PLB8-10	8' Poly Latch Base, Bundle of 10	**$120.06**	**8+ $116.22**	**16+ $113.82**
PLW4-50	4' Wiggle Wire, Bundle of 50	**$70.66**	**8+ $69.11**	**16+ $68.14**

DEFEND YOUR CROPS FROM BIRDS & OTHER PESTS

PROTEKNET INSECT NETTING

Eliminate or reduce pesticide use with Proteknet insect netting. Available in several sizes to meet your production needs. It can be used in fields, as large tunnels or in greenhouses as a substitute for plastic film. Mesh size is .35mm x .35mm, keeping out insects such as aphids, Japanese beetles, leafhoppers, sawfly, thrips, whitefly and many more. Also protects against rabbits, bird, deer, frost, hail, etc. Finished edges of this UV treated, knitted netting won't unravel and will last 2-3 years maybe longer depending on use and storage. Water and airflow is unobstructed. Approximately 90% light transmission and 62% porosity.

Item	Overall Dimensions	Ship wt	Price
PKN6932	6.9′ x 32′	1.25 lb	**$54.52**
PKN69328	6.9′ x 328′	12 lb	**$417.91**
PKN69820	6.9′ x 820′	29 lb	**$945.40**
PKN14328	14′ x 328′	24.5 lb	**$741.47**
PKN21328	21′ x 328′	35 lb	**$1,175.32**

HUNDREDS OF PRE-CUT ROLL DIMENSIONS READY TO SHIP RIGHT AWAY! JUST CALL AND TELL US WHAT YOU NEED!

https://youtu.be/cPgg9UcJLVY

GINEGAR
smart cover solutions

THE GINEGAR DIFFERENCE

Other films simply spread additives into their poly in a single, to triple layer that degenerates rapidly when exposed to weathering. Ginegar has taken 30 years of professional plastics research and engineered an exclusive **5-layer system** that deeply embeds additives to generate a film that is far superior to other brands on the market. You'll gain better and higher-yielding conditions, over a longer period, with the outstanding strength and durability.

SUNCOVER GROW FILM

Item	Size	Price
SCOV24100C	24′ x 100′	$284.47
SCOV24155C	24′ x 155′	$440.92
SCOV28100C	28′ x 100′	$331.88
SCOV28155C	28′ x 155′	$514.41
SCOV32100C	32′ x 100′	$379.29
SCOV32155C	32′ x 155′	$587.89
SCOV40100C	40′ x 100′	$474.11
SCOV40155C	40′ x 155′	$734.88
SCOV48100C	48′ x 100′	$568.93
SCOV48155C	48′ x 155′	$911.00
SCOV52100C	52′ x 100′	$616.34
SCOV54100C	54′ x 100′	$640.06
SCOV54155C	54′ x 155′	$992.07

SUNCLIM GROW FILM

Item	Size	Price
SCLIM36100S	36′ x 100′	$464.98
SCLIM36155S	36′ x 155′	$720.74
SCLIM40100S	40′ x 100′	$516.66
SCLIM44100S	44′ x 100′	$568.32
SCLIM44155S	44′ x 155′	$880.90
SCLIM48100S	48′ x 100′	$619.98
SCLIM48155S	48′ x 155′	$960.99
SCLIMT24110S	24′ x 110′ Tube	$681.98
SCLIMT24155S	24′ x 155′ Tube	$960.99

SUNCOVER

Light Transmission: 89%
Light diffusion: 22%
Thermicity: N/A

Key Points:
- Entry level
- Most economical
- NO anti-drip or infrared blocker

Additives:
- UVA inhibitors
- Anti-Dust

Description
SunCover is our standard greenhouse film, featuring a UV-stabilizing additive that gives it a 4-year lifespan. SunCover is versatile and is a great film for growing a wide variety of plants.

Recommended for:
- Growers on a budget
- General purpose, Jack-of-all-trades film

SUNCLIM

Light Transmission: 88%
Light diffusion: 80%
Thermicity: 85%

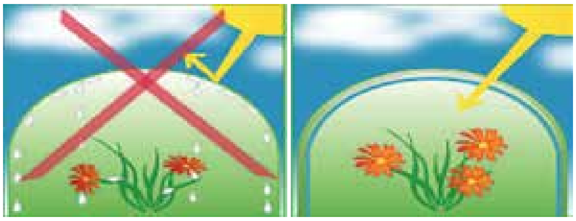
Key Points:
- Similar to SunSaver except:
- NO anti-drip
- Highly diffused film reduces shadows from high-canopy crops or hanging baskets
- Most diffused film we carry

Additives:
- UVA inhibitors
- Anti-Dust
- Infrared blocker

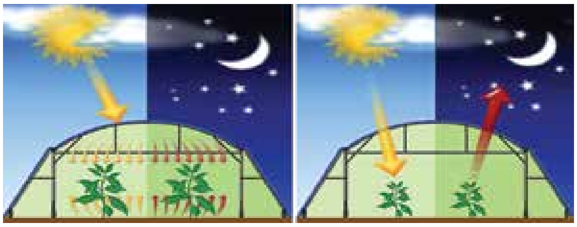
Description
SunClim is our most highly diffused film which makes it a great choice for high-canopy crops. Diffusion scatters the light which increases the surface area of light and reduces shadows. It also contains Infrared blocking additives, has no anti-drip properties.

PLEASE CALL TO ORDER.

Recommended for:
- Vegetables
- High-canopy crops like tomatoes, cucumbers, etc
- Hanging baskets
- To reduce daytime temps
- Cannabis/hemp due to diffusion & IR (lack of AD may be issue for them)



Anti-Drip to prevent moisture buildup from "raining" down on plants, which can spread disease.



Thermal layer (IR) to help stabilize night and day temperature swings.

GROW FILMS

SUNSAVER

Light Transmission: 89%
Light diffusion: 25%
Thermicity: 82%

Key Points:
- A step up from SunCover
- Infrared additive retains heat at night
- Anti-drip additive reduces disease/fungus from dripping

Additives:
- UVA inhibitors
- Anti-Dust
- Infrared blocker
- Anti-Drip

Description

SunSaver has all the features of SunCover but has the benefits of Anti-Drip and Infrared additives. Anti-drip prevents the buildup of condensation on the film and reduces it dripping on plants & spreading fungus or disease. Infrared additives absorb heat during the day and help maintain temperatures through the night.

Recommended for:
- Vegetable
- Fruit & Berry
- Cold Climates (IR helps retain heat @ night)
- Growers looking to reduce disease/fungus (anti-drip helps)

SUNSAVER GROW FILM

Item	Size	Price	6+	12+
SSAV24100C	24′ x 100′	$324.13	–	–
SSAV24155C	24′ x 155′	$502.41	$486.34	$476.29
SSAV28100C	28′ x 100′	$378.17	$366.07	$358.51
SSAV28155C	28′ x 155′	$586.15	–	–
SSAV32100C	32′ x 100′	$472.70	$457.57	$448.12
SSAV32155C	32′ x 155′	$669.89	$648.45	$635.06
SSAV40100C	40′ x 100′	$540.24	–	–
SSAV40155C	40′ x 155′	$837.37	–	–
SSAV48100C	48′ x 100′	$627.54	–	–
SSAV48155C	48′ x 155′	$1,004.83	–	–
SSAV50155C	50′ x 155′	$1,046.70	–	–

SUNSAVER DIFFUSED

Light Transmission: 88%
Light diffusion: 60%
Thermicity: 85%

Key Points:
- Most complete film we offer
- Infrared (retains heat at night)
- Anti-Drip (reduce diseases/fungus from dripping on plants
- 55% diffused light

Additives:
- UVA inhibitors
- Anti-Dust
- Infrared blocker
- Anti-Drip

Description

SunSaver Diffused boasts the added benefit of more Light Diffusion than standard SunSaver (60% vs. 22%). This light diffusion scatters the light which results in reduced daytime temperatures, more area receiving light, and a reduction in shadows from high-canopy crops, hanging baskets, or the greenhouse structure.

Recommended for:
- Vegetables
- High-canopy crops like tomatoes, cucumbers, etc
- Hanging baskets
- To reduce daytime temps
- Cannabis/hemp due to diffusion, AD, & IR

SUNSAVER DIFFUSED

Item	Size	Price	6+	12+
SSAV32155D	32' X 155'	$669.89	$648.45	$635.06
SSAV32205D	32' X 205'	$885.98	–	–
SSAV36100D	36' X 100'	$470.66	–	–
SSAV36155D	36' X 155'	$729.51	–	–
SSAV40100D	40' X 100'	$540.24	–	–
SSAV40155D	40' X 155'	$837.37	$810.57	$793.83
SSAV40205D	40' X 205'	$1,107.48	–	–
SSAV44100D	44' X 100'	$575.24	–	–
SSAV48100D	48' X 100'	$648.28	–	–
SSAV48155D	48' X 155'	$1,004.83	$972.67	$952.58
SSAV54100D	54' X 100'	$729.33	–	–
SSAV54155D	54' X 155'	$1,130.43	$1,094.26	$1,071.65

SUNSAVER NECTARINE DIFFUSED

Key Points:
- 4 year
- 6 mil diffused film
- Anti-Drip (reduce diseases/fungus from dripping on plants

Additives:
- Anti-Dust
- Thermal Film
- Anti-Drip
- High Diffusion

Description

SunSaver Nectarine Diffused is intended for Greenhouse and High Tunnel applications specifically formulated to improve redness color, accelerate sugar accumulation rate as well as contributing to higher bricks in fruits. In hemp and cannabis it delivers dryer leafs a higher canopy temp and more uniform plants due to light diffusion. It also has the added benefit of contributing to the orientation and pollination of bees. Ideal seasons: Oct-March.

Recommended for:
- Strawberries
- Raspberries
- Hemp
- Cannabis
- Bi-Color Roses

SUNSAVER NECTARINE DIFFUSED

Item	Size	Price	6+	12+
NECT24100D	24' x 100'	$390.23	–	–
NECT48100D	48' x 100'	$806.28	–	–
NECT48155D	48' x 155'	$1,256.89	–	–
NECT54100D	54' x 100'	$907.07	–	–
NECT54155D	54' x 155'	$1,405.96	$1,360.97	$1,332.85

POLYCARBONATE: WEATHER AND IMPACT RESISTANT!

MACROLUX® TWIN WALL POLYCARBONATE SHEETING

8mm Twin Wall Polycarbonate Sheeting comes standard with No Drip inhibitors that prevents the formation of condensation into droplets by reducing surface tension which causes the condensation to run off the sheet into gutters or drains to maximize light transmission. Macrolux carries a 10 year non-prorated warranty on its anti-fog performance and its impact resistance to hail damage. It offers a 15 year limited warranty against loss of light transmission and yellowing in accordance to ASTM 0-1003, thanks to the co-extruded UV protected PC layer fused to the PC substrate of the sheet. Made from light-transmitting, weather-resistant, impact-resistant polycarbonate (PC). Macrolux® Twin Wall Polycarbonate Sheeting offers a combination of high impact resistance, 300 times higher than glass and 30 times than acrylic and is 16 times lighter than glass. It's suitable as heat insulating glazing in greenhouses and can be cold formed for applications such as tunnel-shaped greenhouses and skylights in halls. SHIPS MOTOR FREIGHT.

DIFFUSED

Item	Size	Ship wt	Price	8+	16+
PCARBD0408	4' x 8'	11.2 lb	$54.11	$52.95	$52.23
PCARBD0412	4' x 12'	16.8 lb	$81.16	$79.43	$78.34
PCARBD0416	4' x 16'	22.4 lb	$108.22	$105.91	$104.46
PCARBD0608	6' x 8'	16.8 lb	$81.16	$79.43	$78.34
PCARBD0612	6' x 12'	25.2 lb	$121.75	$119.15	$117.52
PCARBD0616	6' x 16'	33.6 lb	$162.33	$158.86	$156.69
PCARBD0624	6' x 24'	50.4 lb	$243.49	$238.29	$235.03

OPAL

Item	Size	Ship wt	Price	8+	16+
PCARBO0416	4' x 16'	22.4 lb	$101.24	$99.08	$97.72
PCARBO0424	4' x 24'	33.6 lb	$151.86	$148.61	$146.58
PCARBO0608	6' x 8'	16.8 lb	$75.93	$74.31	$73.29
PCARBO0612	6' x 12'	25.2 lb	$113.89	$111.46	$109.93
PCARBO0616	6' x 16'	33.6 lb	$151.86	$148.61	$146.58
PCARBO0624	6' x 24'	50.4 lb	$227.78	$222.91	$219.87

CLEAR

Item	Size	Ship wt	Price	8+	16+
PCARBC0424	4' x 24'	33.6 lb	$144.87	$141.77	$139.84
PCARBC0608	6' x 8'	16.8 lb	$72.44	$70.89	$69.92
PCARBC0612	6' x 12'	25.2 lb	$101.30	$99.57	$98.48
PCARBC0616	6' x 16'	33.6 lb	$144.87	$141.77	$139.84
PCARBC0624	6' x 24'	50.4 lb	$217.31	$212.66	$209.76

BRONZE

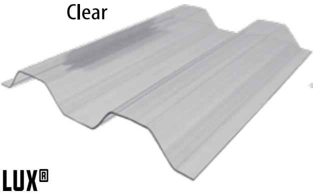
Item	Size	Ship wt	Price	8+	16+
PCARBB0408	4' x 8'	11.2 lb	$50.62	$49.54	$48.86
PCARBB0412	4' x 12'	16.8 lb	$75.93	$74.31	$73.29
PCARBB0416	4' x 16'	22.4 lb	$101.24	$99.08	$97.72
PCARBB0424	4' x 24'	33.6 lb	$151.86	$148.61	$146.58
PCARBB0608	6' x 8'	16.8 lb	$75.93	$74.31	$73.29
PCARBB0612	6' x 12'	25.2 lb	$113.89	$111.46	$109.93
PCARBB0616	6' x 16'	33.6 lb	$151.86	$148.61	$146.58
PCARBB0624	6' x 24'	50.4 lb	$227.78	$222.91	$219.87

WHITE/BLACK/WHITE

8mm Twin Wall. The perfect solution for the side and end walls of your light deprivation greenhouse!

Item	Size	Ship wt	Price	8+	16+
PCARBWBW0408	4' x 8'	11.2	$59.93	$58.65	$57.85
PCARBWBW0412	4' x 12'	16.8	$89.89	$87.97	$86.77
PCARBWBW0416	4' x 16'	22.4	$119.86	$117.30	$115.70
PCARBWBW0424	4' x 24'	33.6	$179.78	$175.94	$173.54
PCARBWBW0608	6' x 8'	16.8	$89.89	$87.97	$86.77
PCARBWBW0612	6' x 12'	25.2	$134.84	$131.96	$130.16
PCARBWBW0616	6' x 16'	33.6	$179.78	$175.94	$173.54
PCARBWBW0624	6' x 24'	50.4	$269.67	$263.91	$260.30

STRONGER THAN ACRYLIC & GLASS!


Clear

Diffused

Opal

Bronze

MACROLUX®
ROOFLITE GRECA CORRUGATED POLYCARBONATE PANELS

Panels are designed for applications requiring a lightweight, rigid covering which is virtually unbreakable while still offering high light transmission. Panels are 50.75" wide and will overlap for 48" coverage. This overlap makes Greca Corrugated polycarbonate panels easy to install because there isn't a need for extra hardware or channels. SHIPS MOTOR FREIGHT.

- Virtually Unbreakable, Stronger than Acrylic & Glass
- Recyclable
- LightWeight and Easy to Handle
- Energy Efficient, High Light Transmission
- Co Extruded UV1 Side and UV2 Side
- Fire-Resistant
- Lifetime Light Transmission

Item	Color	Size	Ship wt	Price	8+	16+
PCARBGC0424	Clear	4' x 24'	23.4	**$129.20**	**$126.44**	**$124.71**
PCARBGD0408	Diffused	4' x 8'	7.8	**$49.84**	**$48.62**	**$47.85**
PCARBGD0412	Diffused	4' x 12'	11.7	**$74.76**	**$73.16**	**$72.16**
PCARBGD0416	Diffused	4' x 16'	15.6	**$99.67**	**$97.22**	**$95.69**
PCARBGD0424	Diffused	4' x 24'	23.4	**$149.51**	**$145.84**	**$143.54**
PCARBGO0408	Opal	4' x 8'	7.8	**$44.91**	**$43.88**	**$43.23**
PCARBGO0412	Opal	4' x 12'	11.7	**$67.36**	**$65.81**	**$64.84**
PCARBGO0416	Opal	4' x 16'	15.6	**$89.84**	**$87.77**	**$86.47**
PCARBGO0424	Opal	4' x 24'	23.4	**$134.75**	**$131.64**	**$129.70**
PCARBGB0408	Bronze	4' x 8'	7.8	**$44.91**	**$43.88**	**$43.23**
PCARBGB0412	Bronze	4' x 12'	11.7	**$67.36**	**$65.81**	**$64.84**
PCARBGB0416	Bronze	4' x 16'	15.6	**$89.84**	**$87.77**	**$86.47**
PCARBGB0424	Bronze	4' x 24'	23.4	**$134.75**	**$131.64**	**$129.70**

"U" CHANNEL FOR 8-10MM POLYCARB

Used to terminate polycarbonate panels. Can be used along bottom or edge. Due to the production of this product a minimum total value must be ordered to process, please contact a representative at A.M. Leonard to confirm final cost.

U81012	12 foot	**$18.43**	**8+ $17.96**	**16+ $17.67**

"H" CHANNEL FOR 8-10MM POLYCARB,

Used to join adjacent polycarbonate panels. Can be strung together. Commonly used vertically. Can be used horizontally. Due to the production of this product a minimum total value must be ordered to process, please contact a representative at A.M. Leonard to confirm final cost.

H81024	24 foot	**$44.62**

WE'VE PARTNERED WITH ROUGH BROS. TO OFFER THE STRONGEST STRUCTURES IN THE INDUSTRY!

Large easy to walk in open gutters

Square tube ground stakes and bows

Rack and pinion ridge vent and sidewall rollups for natural ventilation

WINDJAMMER COLDFRAME STRUCTURES

RBI-5000	Windjammer 5000 (Stand-Alone)
RBI-6000	Windjammer 6000 (Gutter-Connected)

CALL FOR YOUR CUSTOM QUOTE!

SPECS:

- Square Tube ground stakes and bows.
- Steel end wall, side wall, and door options.
- Strong 2" Square Bow is 37% stronger than round bows – Rough Bros. only uses square bows to offer high quality, high strength structures.
- Rack and pinion ridge vent and sidewall roll-ups for natural ventilation
- Square tube ground stakes and bows
- Large, easy-to-walk-in open gutters

BENEFITS:

Greater resistance to snow, ice and wind: Created with the strength of square tube steel bows compared to a typical round or oval tube product.

Simplicity of installation: With wedged steel member assembly, appropriately sized ground stakes and CNC precision rolled bows.

A robust and flexible structure: Can be **equipped with advanced environmental controls** and growing systems.

High side walls and extreme peak heights: Optimize the growing environment for **increased plant production.**

Strength: Incorporating 2-1/4" square ground stakes and 2" square tubing, this is one of the **strongest structures is its class.**

OVERWINTER PLUS+

GINEGAR
smart cover solutions

https://youtu.be/c9xA-I76a8E

WE WILL CUSTOM CUT SIZES NOT LISTED!

FOR THE TOUGHEST WEATHER: BETTER PROTECTION AT A BETTER PRICE!

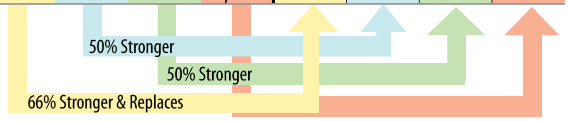
Overwinter Plus+ offers an industry leading formulation that provides additional mechanical strength (see chart) to give you added performance and protection in the toughest conditions. Our **Overwinter Plus+** films offer the strength and durability of films twice as thick. This offers two great benefits; use a lighter gauge film and gain performance while saving money! Use our **Overwinter Plus+** film for your toughest conditions, for extra protection. UV treated for 1 season.

Item	Mil	Size	Price	6+	12+
OWP24100257	2.5	24' X 100'	**$102.74**	**$99.45**	**$97.40**
OWP2810025C	2.5	28' X 100'	**$119.87**	–	–
OWP2820025C	2.5	28' X 200'	**$232.05**	–	–
OWP32150257	2.5	32 X 150'	**$205.48**	–	–
OWP32200257	2.5	32 X 200'	**$273.96**	–	–
OWP241003C	3	24' X 100'	**$123.28**	–	–
OWP281003C	3	28' X 100'	**$143.83**	–	–
OWP2812537	3	28' X 125'	**$174.03**	–	–
OWP2825037	3	28' X 250'	**$359.59**	**$348.08**	**$340.89**
OWP321003C	3	32' X 100'	**$162.52**	–	–

Item	Mil	Size	Price	6+	12+
OWP3230037	3	32 X 300'	**$493.13**	**$477.35**	**$467.49**
OWP401503C	3	40' X 150'	**$308.22**	**$298.35**	**$292.19**
OWP4015037	3	40' X 150'	**$308.22**	**$298.35**	**$292.19**
OWP482003C	3	48 X 200'	**$493.13**	–	–
OWP4830037	3	48' X 300'	**$739.72**	**$716.05**	**$701.25**
OWP323504C	4	32 X 350'	**$767.37**	–	–
OWP4020047	4	40' X 200'	**$548.11**	–	–
OWP481004C	4	48' X 100'	**$328.85**	–	–
OWP481204C	4	48' X 120'	**$394.65**	–	–

SEE FOR YOURSELF – THE NUMBERS SAY IT ALL!

Typical Average Values			OW Plus				Standard OW Poly			
			2.5 mil	**3 mil**	**4 mil**	**6 mil**	**3 mil**	**4 mil**	**5 mil**	**6 mil**
Elongation at Break	MD	%	600	600	750	650	450	500	550	600
	TD	%	650	700	750	700	600	650	700	750
Tear Resistance	MD	Gr./mm	6,500	9,000	11,000	15,000	5,000	5,500	5,500	5,000
	TD	Gr./mm	15,000	18,000	20,000	20,000	6,000	6,500	6,500	6,500
Dart Drop Impact	Gr.		550	600	800	1,200	400	520	620	750



*Please note: Typical average
values +/- 10% that can vary
among thickness and width.

PERFECT FOR GARDEN CENTERS/RETAIL DISPLAYS!

STATIONARY SHADE SYSTEM

Standard widths: 24' x 24'. Expand on multiples of 24 (48' x 96' etc). A.M. Leonard has partnered with Rough Brothers because we share a similar mission - supplying the Green industry with the highest quality tools & supplies available. One of those high-quality products is the Rough Brothers Stationary Shade System. It is the perfect solution for Garden Centers or for Landscapers with Plant-Holding areas. Custom Shade Systems are built on a 24'x24' grid and can be expanded in multiples of 24' in either direction - this is perfect for growers who want to start small and expand their structures as their business grows.

Featured Benefits:

- Economical design
- Bolt-together truss assembly reduces shipping costs
- 10' clearance below truss
- Ideal for landscapers' holding area or retail garden centers
- Truss design is optimal for strength
- Heavy duty 4" square columns
- Wall Knee-brace option

RBI-SSS **Call for your custom quote!**

READY-MADE SMALL SHADE TARPS

PERFECT FOR SMALL PLANT-HOLDING AREAS AND MARKET GARDENERS!

Tarps come in 47% or 63% woven shade fabric with double stitched reinforced edges & No. 2 grommets installed on all sides every 2'.

Item	Size	Sq Ft	Shade %	Ship wt	Price	4+	8+
6311	10' x 10'	100	63%	4 lb	**$34.92**	**$34.16**	**$33.68**
6312	10' x 20'	200	63%	7 lb	**$67.89**	**$66.52**	**$65.67**
6322	20' x 20'	400	63%	14 lb	**$133.05**	**$130.53**	**$128.96**
5112	10' x 12'	120	47%	4 lb	**$44.33**	**$43.02**	**$42.20**
5108	10' x 18'	180	47%	5 lb	**$58.48**	**$57.15**	**$56.33**
5102	10' x 20'	200	47%	5 lb	**$64.00**	**$62.61**	**$61.73**
4720	20' x 40'	800	47%	20 lb	**$253.17**	**$247.82**	**$244.47**

POLY CLIPS

Ready to use. No tools required. Made from tough all-weather 100% recycled polypropylene and polyethylene. Can either be installed permanently or reused. Poly clips work with shade cloth, burlap, netting, and many other materials. **Sold per bag of 25 clips.**

P801 **$11.46** **4+ $11.09** **8+ $10.86**

TARP GRABBER INSTANT GROMMETS

Make your own covers, banners, tents and more. Up to 4X stronger than brass grommets. Made from virtually indestructible recycled polymers. Use a hammer or pliers to tap permanently together. Ship wt .5 lb. **Pack of 12.**

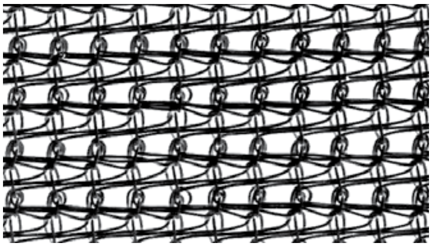
TG12 **$13.24**

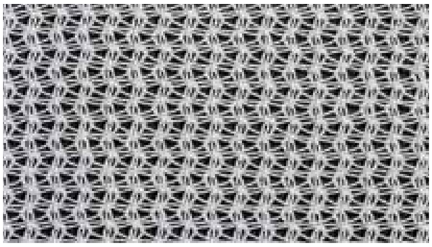
EXTRA CANOPY BALL BUNGEES

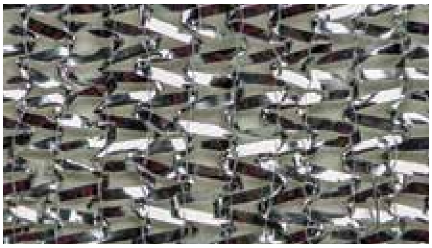
Versatile 10" tie-downs quickly and easily secure shade fabric or any other type of grommeted covering. Ship wt .5 lb. **Sold in bundles of 10.**

TD10 **$10.91** **4+ $10.56** **8+ $10.34**

MASTER ROLLS OF KNITTED SHADE FABRIC







THIS PREMIUM SHADE FABRIC WILL NOT UNRAVEL WHEN CUT!

KNITTED SHADE FABRIC ROLLS IN BLACK, WHITE, OR ALUMINUM

This premium monofilament knitted shade fabric features a high-density polyethylene (HDPE) construction. These rolls contain 300′ of cloth, allowing you to cut the exact length you need for your needs. Choose your desired width and shade percentage below. Our knitted shade fabric is an economical alternative to woven fabric. This specially-engineered cloth resists tears, mold, and mildew. Its finished outer edges require no tape or grommets. You can install it anywhere using either poly clips or Wiggle Wire. Premium monofilament knitted shade fabric is far superior to lesser grade tape material. This exceptional fabric will not unravel when cut. It offers a life expectancy of 10 to 15 years, and the manufacturer backs it with a 5-year warranty! Choose from Standard Black or test out White or Aluminum Shade Fabric. While black fabrics absorb heat, White & Aluminum reflect light which could end up leading to greater PAR transmission and a cooler environment while accomplishing the desired shading effect.

Shade	Item	Size	Color	Per Roll	4+ Rolls	8+ Rolls
30%	**KSB630030**	6'x300'	Black	**$258.97**	**$253.04**	**$249.34**
	KSB1030030	10'x300'	Black	**$415.04**	**$406.33**	**$400.89**
	KSB1230030	12'x300'	Black	**$681.50**	**$659.69**	**$646.06**
	KSB2030030	20'x300'	Black	**$905.88**	**$882.52**	**$867.92**
40%	**KSB630040**	6'x300'	Black	**$347.49**	**$337.75**	**$331.67**
	KSB1030040	10'x300'	Black	**$552.02**	**$537.78**	**$528.87**
	KSB1230040	12'x300'	Black	**$665.21**	**$648.01**	**$637.25**
	KSB2030040	20'x300'	Black	**$1,104.02**	**$1,075.53**	**$1,057.73**
50%	**KSB630050**	6'x300'	Black	**$420.61**	**$409.77**	**$402.99**
	KSB1030050	10'x300'	Black	**$695.57**	**$677.63**	**$666.42**
	KSB1230050	12'x300'	Black	**$839.15**	**$817.51**	**$803.99**
	KSW1230050	12'x300'	White	**$861.65**	**$844.54**	**$833.84**
	KSB2030050	20'x300'	Black	**$1,399.27**	**$1,363.19**	**$1,340.65**
	KSW2030050	20'x300'	White	**$1,462.24**	**$1,429.03**	**$1,408.27**
55%	**KSA1230055**	12'x300'	Aluminum	**$884.52**	**$861.17**	**$846.58**
60%	**KSB630060**	6'x300'	Black	**$454.90**	**$443.12**	**$435.75**
	KSB1030060	10'x300'	Black	**$758.25**	**$738.68**	**$726.45**
	KSB1230060	12'x300'	Black	**$945.59**	**$920.63**	**$905.03**
	KSB2030060	20'x300'	Black	**$1,584.46**	**$1,539.66**	**$1,511.67**
70%	**KSB630070**	6'x300'	Black	**$570.23**	**$555.54**	**$546.37**
	KSB1030070	10'x300'	Black	**$952.34**	**$927.75**	**$912.37**
	KSB1230070	12'x300'	Black	**$1,138.44**	**$1,109.12**	**$1,090.79**
	KSW1230070	12'x300'	White	**$1,160.11**	**$1,135.83**	**$1,120.65**
	KSB2030070	20'x300'	Black	**$1,902.76**	**$1,853.72**	**$1,823.08**
	KSW2030070	20'x300'	White	**$1,949.77**	**$1,907.92**	**$1,881.77**

CUT TO LENGTH KNITTED SHADE FABRIC

AVAILABLE IN 5 SHADE PERCENTAGES

A.M. Leonard's knitted monofilament strand fabric outperforms ribbon type fabrics with longer field life and greater resistance to the weather.

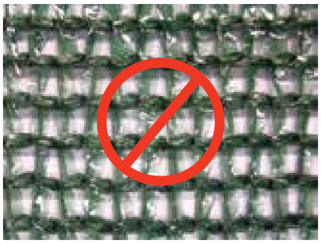
- Monofilament knitted construction is the most durable available, making it the best choice for strength and longevity.
- Resistant to tears, mold, and mildew.
- Knitted high density polyethylene material won't unravel and can be cut to length during installation if needed. Finished edges on both outer sides.
- UV treated for long life.
- **For easy installation use with P801 poly clips.**

Specify shade percentage, width, and length when ordering.
NOTE: Quantity pricing is based on ordering one shade percentage and width. Larger sizes may require motor freight shipping.

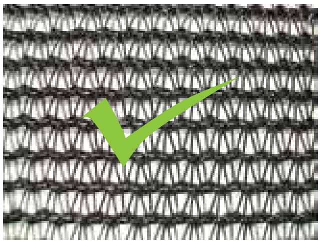
*CUSTOM ROLLS AVAILABLE. CALL FOR PRICING.

OUR DESIGN MAKES ALL THE DIFFERENCE!

THEIRS: Inferior Fabrics that Use Flat Ribbon Strands



OURS: Strong Monofilament Strand Longer Life and Tough



		Priced Per Linear Foot		
Item	**Shade %**	**Price**	**4+**	**8+**
Choose from 6', 10', 12', 20' widths. Length is Custom to You				
KS-B-30+Width+Length	30%	**$2.80**	**$2.73**	**$2.68**
KS-B-40+Width+Length	40%	**$2.01**	**$1.95**	**$1.91**
KS-B-50+Width+Length	50%	**$3.39**	**$3.30**	**$3.25**
KS-B-60+Width+Length	60%	**$5.25**	**$5.08**	**$4.98**
KS-B-70+Width+Length	70%	**$3.11**	–	–

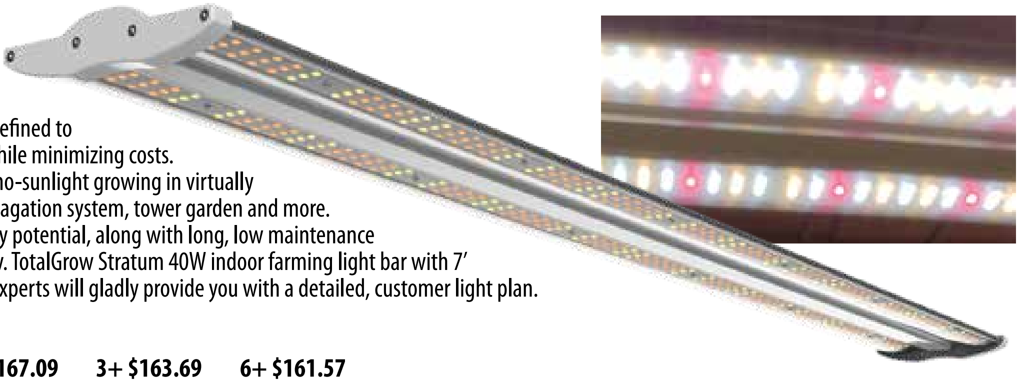
MAXIMIZE YIELDS AND MINIMIZE COSTS!

3 Bars
4 Bars
8 Bars

TOTALGROW MULT-HI LED

35-70% Energy Savings Compared to HPS. Achieve your target yields, consistency and quality. Save time, money, electricity and space. The TotalGrow Mult-HI features multiple high intensity light bars in a thin form factor with built-in power supplies to evenly distribute the ideal intensities of light over your grow area to match your growing goals. An exceptional, customizable, full light spectrum supports efficient, quality growth for any life stage and crop variety. This plug-and-play solution with direct daisy-chaining is simple to implement with low upfront and ongoing costs for the sustainable production of high quality crops. 170, 240, 320 & 640W of power at 2.4+ µmol/J for the light intensities your plants need. Robust, reliable, ideally-shaped design for simple utilization and excellent uniformity. Full growing spectrum for exceptional versatility and quality. Applications: Medicinal vegetative and flowering grows, indoor farming, commercial greenhouses, indoor farming, home gardens, nurseries, hydroponics centers, schools, universities and research institutes.

Item	Description	Bars	Ship wt	Price	3+	6+
MH170	170W	3	17 lb	**$512.57**	**$506.36**	**$502.48**
MH170HO	170W High Output	3	17 lb	**$578.28**	**$565.39**	**$557.34**
MH240	240W	3	17 lb	**$613.67**	**$603.65**	**$597.38**
MH240HO	240W High Output	3	17 lb	**$684.44**	**$672.32**	**$664.74**
MH320	320W	4	19.4 lb	**$724.88**	**$713.08**	**$705.71**
MH320HO	320W High Output	4	19.4 lb	**$815.87**	**$800.36**	**$790.66**
MH640	640W	8	31.1 lb	**$1,162.64**	**$1,150.82**	**$1,143.44**
MH640HO	640W High Output	8	31.1 lb	**$1,415.39**	**$1,390.48**	**$1,374.91**



INDOOR FARMING LIGHTING REFINED, POWERFUL, EFFICIENT

The TotalGrow Stratum is designed and refined to maximize yields, space and versatility while minimizing costs. the spectrum and size are ideal for low/no-sunlight growing in virtually any vertical farm, growth chamber, propagation system, tower garden and more. Exceptional efficiencies and light delivery potential, along with long, low maintenance lifespan provide long-term sustainability. TotalGrow Stratum 40W indoor farming light bar with 7′ power cord – contact us & our lighting experts will gladly provide you with a detailed, customer light plan. Ship wt 3.8 lb.

STRATUM1	Single	**$167.09**	**3+ $163.69**	**6+ $161.57**
STRATUM1D	With Daisy Chain	**$164.99**	**3+ $162.88**	**6+ $161.56**

LIGHTSCOUT
DLI 100
GREENHOUSE
Daily Light Meter
Spectrum

DAILY LIGHT INTENSITY METER

Know the intensity and duration of PAR your plants are getting per square meter throughout the greenhouse. An affordable, first step in measuring light that the plant can actively use for photosynthetic processes. With simple one button operation, this meter displays real-time light intensity levels every 4 seconds, and calculates the Daily Light Integral (DLI) for 24 hours. Ship wt .25 lb.

DLI100-GH	**$94.47**	**3+ $91.76**	**6+ $90.07**

300′, 3 oz Woven:
Handy Green stripe every 12″.

3 OZ. WOVEN STYLE GROUND COVER

Control grass and weeds in your container fields and greenhouses. Simply roll out and tack it down. Green stripes every 12″ for easy plant alignment. Provides years of service. Tough 3 oz UV stabilized polypropylene. Resists tears and punctures, yet permeable to water and nutrients. Priced per roll. 3′, 4′, and 6′ rolls are UPS shippable; balance motor freight delivery.

Item	Width	Length	Ship	Price	4+	8+
GC33	3′	300′	22 lb	**$88.33**	**$85.50**	**$83.74**
GC43	4′	300′	34 lb	**$106.35**	**$102.95**	**$100.82**
GC63	6′	300′	44 lb	**$166.18**	**$163.64**	**$162.06**
GC103	10′	300′	76 lb	**$276.06**	**$267.23**	**$261.70**
GC123	12′	300′	86 lb	**$365.51**	**$353.81**	**$346.50**
GC153	15′	300′	110 lb	**$414.11**	**$400.86**	**$392.58**

BLACK/WHITE LIGHT DEPRIVATION AND ORCHARD FILMS

- Structure covering for your warehouse storage area
- Floating bed liner for hydroponics and tobacco propagation
- Blackout cover for dormancy and flower production
- Weed barrier/plasticulture

CALL FOR PRICING

Item	Width	Thickness
MR2803BW	28′	3 mil
MR2404BW	24′	4 mil
MR2804BW	28′	4 mil
MR3204BW	32′	4 mil
MR4004BW	40′	4 mil
MR4804BW	48′	4 mil

CREATE THE IDEAL ENVIRONMENT FOR YOUR GREENHOUSES

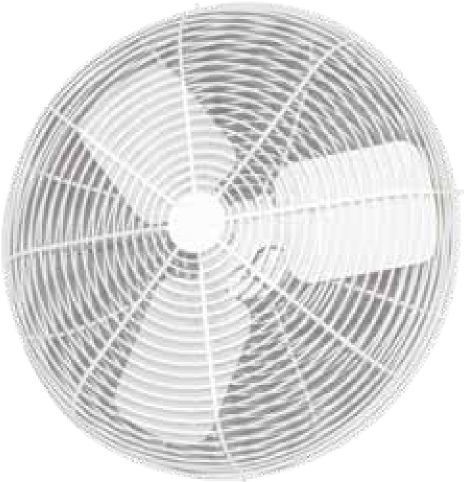
https://youtu.be/62DPBw5nIQE

V-FLOFANS

Ventilation plays a vital role in modern greenhouses. Vertical ventilation results in a uniform climate in your greenhouse. Proper ventilation also results in a reduced energy bill! Technical improvements to modern greenhouses and more intensive cultivation methods mean that controlling humidity levels for crops is more important than ever. The V-FloFan reduces the negative impacts of humidity in a simple and energy-efficient way. V-FloFans distribute air over a wide surface through an aerodynamic conductor. A cone-shaped outlet guides airflow in a uniform manner. You can employ V-FloFans with a wide range of crops.

Item	Description	Price	8+	16+
VFAN120C	120 Volt with Cord	**$715.95**	**$699.02**	**$688.43**
VFAN240	240 Volt	**$682.17**	**$662.07**	**$649.51**
VFANB	Hanging bracket	**$56.40**	**$55.09**	**$54.26**

IMPROVES PLANT GROWING CONDITIONS!



HORIZONTAL AIR FLOW FAN 20"

Improve growing conditions with a constant, gentle airflow around plants, reducing disease and mildew. Can be run variable speed with one of our auto or manual speed controls. OSHA-approved white guards are polyester bonded, powder coated for long life. Manufactured with 115 V totally enclosed motor. Equipped with swivel mounting bracket and 9′ cord with 3-prong plug for fast, easy installation. 1/10 HP, 1.0/0.5 A. Fans can be rewired to run at 230 V. Safe for higher ambient temperatures.

HAF20	$222.99	8+ $220.50	16+ $218.94

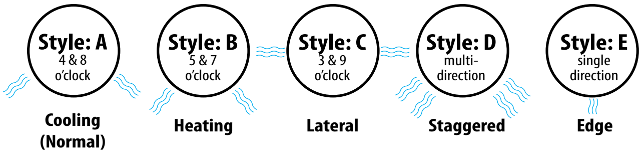
4 MIL CONVECTION TUBING

https://youtu.be/KXbGLXcfUfg

CUSTOM LENGTH AND PUNCH STYLE CONVECTION TUBING

Call us today at 1-888-558-8665! Just specify your diameter x length and punch style and we will take care of the rest. We will determine proper punch size and diameter hole for you. Please allow 5-7 days for your customized product delivery. For larger orders allow 7-10 days. Rolls under 90′ will be assessed a Manufacturers Service Charge of $4.00 per roll. Price is for 4 mil tubes and includes Punch Styles A, B and C. The styles of D and E require an additional 20% charge per linear foot. Call for pricing on 6 mil tubes. Priced per linear foot. **Made in the USA.**

Choose the punch style you specifically need – please call to consult for help!



Styles "A, B, C, D & E" Choose your Diameter, Length & Punch.

Note: Item number corresponds to punch style "A". For other punch styles change the "A" to the appropriate letter. For example: CV6B is 6″ dia. with the "B" punch style.

Item	Diameter	Price	8+	16+
CV6A	6″	**$0.88**	**$0.85**	**$0.84**
CV8A	8″	**$0.81**	**$0.79**	**$0.78**
CV10A	10″	**$1.35**	**$1.31**	**$1.28**
CV12A	12″	**$1.39**	**$1.35**	**$1.32**
CV14A	14″	**$1.28**	**$1.25**	**$1.23**
CV16A	16″	**$1.41**	**$1.37**	**$1.35**
CV18A	18″	**$1.42**	**$1.39**	**$1.37**
CV20A	20″	**$1.79**	**$1.74**	**$1.71**
CV24A	24″	**$2.01**	**$1.96**	**$1.92**
CV25A	25″	**$1.96**	**$1.91**	**$1.89**
CV30A	30″	**$2.48**	**$2.41**	**$2.36**
CV37A	37″	**$2.57**	**$2.51**	**$2.47**

DURA-BENCH GREENHOUSE BENCH TOPS

Replace your old wood, wire, or metal tops with these durable, attractive panels in two styles.

- Durable, smooth and non-porous
- Trays, pots and flats slide without snagging
- Easy-clean, with no rot, splinters or rough edges
- An attractive, professional appearance for your retail displays
- UV protected, high impact, abrasion resistant polypropylene

Original – Each heavyweight panel has 1.1″ x 1.1″ square holes for more surface area. Countersunk pre-molded holes make attaching to your substructure (metal, wood, or pipe) easy with your own #10 stainless steel screws. Panels won't slip for a sturdy – and safer work surface! 2′ x 4′ panels interlock with tabs on the 4′ side. Ship wt 7 lb.

DB24 $50.98 8+ $49.35 16+ $48.33

Ultra Increased Airflow – Easier to install and disinfect, and lower cost. 2′ x 4′ panels have 1.1″ x 2.1″ rectangular holes. 2′ sides connect with tab and slots, 4′ sides install with black nylon clips (3 included with each panel). Pre-molded screw rails for use with your own stainless steel screws. Ship wt 5 lb.

DBU24 $35.00 8+ $33.88 16+ $33.18

EVAPORATION COOLING PAD

The Evaporative Cooling Pads are a high efficiency evaporative cooling media. Constructed with high absorption cellulose Kraft paper and treated with wetting additives and anti-rot agents, the Evaporative Cooling Pads are built for a long-lasting and low maintenance life. High quality adhesives and rigidifying agents have been added to the 110 grams per square meter virgin Kraft paper for increased resistance. Additionally, the air inlet side of the Cooling Pads have been dipped in specialized black plastic resin which helps reduce scaling and mineral buildup.

Item	Size	Ship wt	Price	8+	16+
KP624C	12″ X 24″ X 6″	2.5 lb	**$25.42**	**$24.88**	**$24.54**
KP636C	12″ X 36″ X 6″	3.3 lb	**$37.35**	**$36.60**	**$36.13**
KP660C	12″ X 60″ X 6″	5.6 lb	**$79.94**	**$78.43**	**$77.49**
KP672C	12″ X 72″ X 6″	6.8 lb	**$69.70**	**$68.49**	**$67.74**

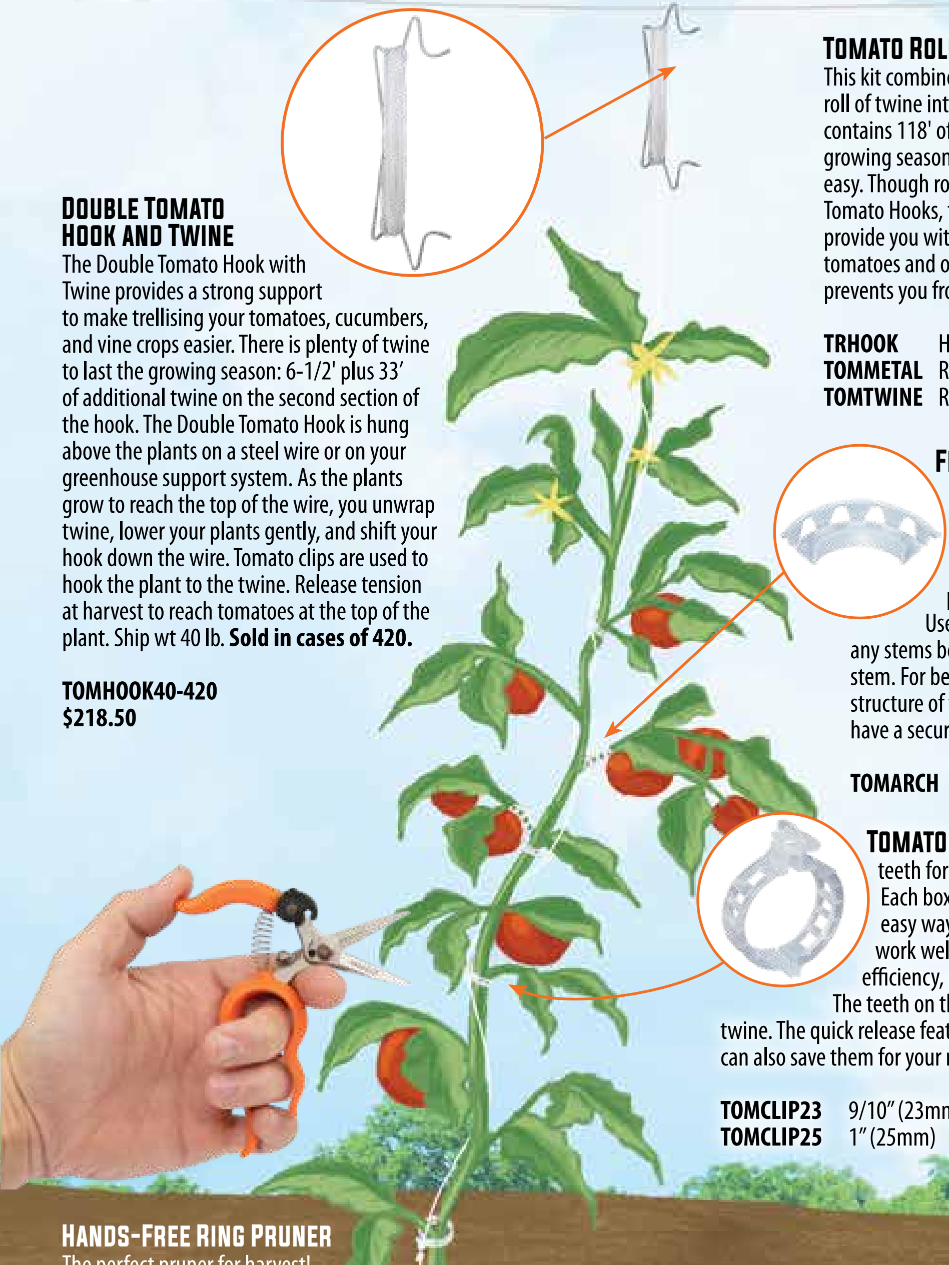
DRAMM

DRAMM ENVIRONMENTAL THERMOSTAT

Great for greenhouses, factories, warehouses, and farms. High quality thermostats designed with rough environments in mind! Place in the area to be controlled to gain automatic, accurate control of: heating, cooling, and ventilation. Use the single stage model to activate your shutters, fan, or other equipment. Use the two stage for added protection, activating two items at pre-set temperature levels. Protected by a durable, sealed, PVC housing for harsh conditions. Stainless steel coiled sensors are accurate to 1° C.

T41	Single stage	**$101.58**	**8+ $99.34**	**16+ $97.94**
T42	Two stage	**$176.21**	**8+ $172.52**	**16+ $170.21**

PROFESSIONAL TOMATO GROWING



DOUBLE TOMATO HOOK AND TWINE

The Double Tomato Hook with Twine provides a strong support to make trellising your tomatoes, cucumbers, and vine crops easier. There is plenty of twine to last the growing season: 6-1/2' plus 33' of additional twine on the second section of the hook. The Double Tomato Hook is hung above the plants on a steel wire or on your greenhouse support system. As the plants grow to reach the top of the wire, you unwrap twine, lower your plants gently, and shift your hook down the wire. Tomato clips are used to hook the plant to the twine. Release tension at harvest to reach tomatoes at the top of the plant. Ship wt 40 lb. **Sold in cases of 420.**

TOMHOOK40-420
$218.50

TOMATO ROLLERHOOKS WITH TWINE

This kit combines one metal rollerhook frame and one roll of twine into one convenient package. The roll contains 118' of twine; enough to last the entire growing season. Rollerhooks make trellising tomatoes easy. Though roller hooks provide similar benefits as Tomato Hooks, they are easier to use. Rollerhooks provide you with more control when lowering tomatoes and other vine crops. This increased control prevents you from lowering more than you need.

TRHOOK	Hook with Twine	**$2.63**	**8+ $2.55**	**16+ $2.49**
TOMMETAL	Repl. Metal Frame	**$5.05**	**8+ $4.89**	**16+ $4.79**
TOMTWINE	Repl. 118' Twine	**$0.94**		

FLEXIBLE TOMATO ARCHES, 250 COUNT

These Flexible Tomato Arches feature a durable plastic construction. They measure 6mm in width. The accordion design of these arches increases flexibility and increases airflow to the stem. This airflow helps to prevent plant decay. This package contains 250 arches. Use these Flexible Tomato Arches to increase support for any stems bearing a cluster of fruit. Attach them directly to the stem. For best results, use during the flowering stage. The unique structure of these arches allows for quick and easy installation. They have a secure grip, which prevents them from falling off the plant.

TOMARCH	**$16.10**	**8+ $15.76**	**16+ $15.54**

TOMATO CLIPS, 250 COUNT – These tomato clips have teeth for increased grip. They also feature a quick-release design. Each box contains 250 clips. These clips provide a fast and easy way to connect tomato plants to trellis twine. They also work well for cucumbers and other vining crops. For maximum efficiency, use in tandem with our Rollerhooks or Tomato Hooks. The teeth on these clips ensure that they do not slide along the trellis twine. The quick release feature allows you to move them with relative ease. You can also save them for your next growing season to save some cash!

TOMCLIP23	9/10" (23mm)	**$25.56**	**8+ $24.74**	**16+ $24.23**
TOMCLIP25	1" (25mm)	**$26.96**	**8+ $26.10**	**16+ $25.56**

HANDS-FREE RING PRUNER

The perfect pruner for harvest! This Hands-Free Ring Pruner features a durable plastic construction. It features a unique ring-shaped handle. It measures only 4-1/2" in length. The razor-sharp, stainless-steel blade is 1" long. It saves you time in the garden or greenhouse.

RP2 **$39.74** **3+ $38.52**
6+ $37.75

FLORIKAN 12-4-11

Calcium to prevent boxwood blight. 5-6 month release time.
50 lb bag. 100% polymer coated fertilizer with a unique level of polymer coated calcium nitrate, it will provide the essential nutrients for the entire crop cycle eliminating the "halo effect". **Broadcast, Incorporation, Topdress.**

FLK12411180 **$144.40**
3+ $139.78 **6+ $136.89**

HYDROPONIC SPECIAL 5-11-26

Peters Professional
5-11-26
ICL

25 lb bag. Designed exclusively for hydroponic culture, this classic formula is ideal for most hydroponic crops, especially tomatoes, cucumbers and lettuce. Use with PHB1408 for a complete nutrition program.
Foliar, Fertigation, Hydroponic.

G51126 **$91.10** **3+ $88.18**
6+ $86.36

NATURAL & DURABLE COCO NETTING

COCONET TRELLIS NETTING

CocoNets is trellis netting made from coconut fiber - not plastic. Although plastic netting has its benefits for specific applications, CocoNets help provide a natural, eco-friendly product that exhibits superior strength & durability - our product manager tested this product by growing French melons vertically!

Use CocoNets for a wide variety of garden applications:

- Vertically trellising vining plants like cucumbers, sweet peas, or beans
- Used horizontally for support of flowering crops
- Natural product is 100% biodegradable and can be incorporated into compost piles

Item	Ship	Width	Length	Price	3+	6+
CN450	6.6 lb	4′	50′	**$33.86**	**$32.78**	**$32.10**
CN4100	13.3 lb	4′	100′	**$56.58**	**$54.77**	**$53.64**
CN6515	3.5 lb	6.5′	15′	**$23.03**	**$22.29**	**$21.83**
CN6550	11 lb	6.5′	50′	**$45.35**	**$43.90**	**$42.99**
CN65100	22 lb.	6.5′	100′	**$78.47**	**$76.32**	**$74.97**

TENAX

HORTONOVA TRELLIS NETTING

Strong, versatile polypropylene mesh specially designed for efficient and economical cultivation of vegetables, fruits and flowers! Horizontal use keeps tomatoes, flowers and other non-climbing plants growing straight while maintaining optimal separation between the plants. Using Hortonova as a trellis allows climbing plants like beans, cucumbers and others to have greater exposure to sun and air while keeping them off the ground, which helps reduce rot and disease. Due to its durability and practical natures, Hortonova is now being used by many agriculturalists, floriculturists and indoor/outdoor growers. It is available in a variety of widths and mesh sizes and is easy to handle and install. Hortonova fully satisfies the requirements of a variety of growing techniques, both vertical and horizontal. The variety of sizes makes it ideal for either home gardeners or commercial growers.

Item	Width	Length	Price	3+	6+
HTN450	4′	50′	**$24.53**	**$23.75**	**$23.25**
HTN4100	4′	100′	**$34.07**	**$32.98**	**$32.30**
HTN4328	4′	328′	**$46.96**	**$46.03**	**$45.45**
HTN43280	4′	3,280′	**$411.71**	**$400.26**	**$393.10**
TN5328	5′	328′	**$73.92**	**$72.22**	**$71.16**
TN615	6-1/2′	15′	**$14.12**	**$13.67**	**$13.39**
TN630	6-1/2′	30′	**$24.56**	**$23.77**	**$23.28**
TN650	6-1/2′	50′	**$29.41**	**$28.47**	**$27.88**
TN6100	6-1/2′	100′	**$48.55**	**$47.00**	**$46.03**
HTN63280	6-1/2″	3,280′	**$533.42**	**$523.53**	**$517.35**

HARDWOOD STAKES

Made from solid hardwood, these tree stakes are ideal for outdoor use in staking or guying. **Sold in bundles of 25.** Various lengths to choose from. Larger quantities, please call for quote.

Item	Length	Price
SK2	24"	**$35.94**
5+ $34.99		**10+ $34.40**
SK3	35"	**$37.76**
5+ $36.76		**10+ $36.13**
SK4	47"	**$62.89**
5+ $60.88		**10+ $59.62**
SK5	58"	**$53.21**
5+ $51.92		**10+ $51.12**

STAR PLUG TRAYS

You'll have healthier plants that are easier to maintain and "pop" faster. The unique star cells use a vertical rib design to train roots downward, for faster growth without becoming root bound. For no extra cost, these trays also have optional top surface ventilation holes to maintain more even moisture distribution and fight crowning. Precisely centered drainage holes reduce disease issues that result from over-watering. Features: square corners, deeper cells, formed edges precisely centered, punched drain holes. Size is 11" x 21.5". Perimeter trim size is 10.94" x 21.44". Request a sample of the short tray style, designed to allow automated systems to run superior annual plugs. **Case of 50 trays.**

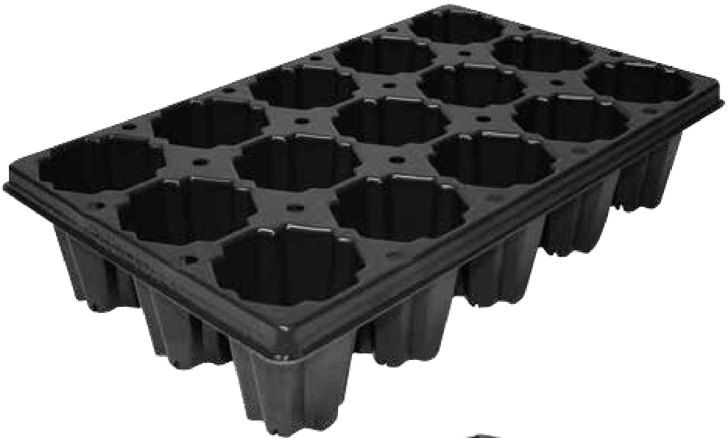
720580C

Item	Tray Type	Cell Count	Cell Dimensions	Ship wt	Price	3+	6+
720568C	5 x 10 Deep	50	1.94" top x 4.5" depth	32 lb	**$238.55**	**$232.11**	**$228.09**
12820S	5 x 10 Short	50	1.77" top x 2.35" depth	20 lb	**$176.73**	**$172.44**	**$169.76**
720550C	3 x 7 Deep	21	2.72" top x 4" depth	23 lb	**$161.10**	**$158.64**	**$157.10**
720580C	6 x 12 Deep	72	1.56" top x 3" depth	24 lb	**$146.52**	**$143.33**	**$141.34**

HEAVY GAUGE TO SUPPORT FILLED WEIGHT ON A RAILING STYLE OR FLAT BENCH!

SUREROOTS™ 15 CAVITY PLUG TRAY

Top surface ventilation. Use for ornamental shrubs, grasses and fruit bearing shrubs. Can be used as field liner or shifted to a 1 or 2 gallon finished product after producing its a large .57 quart root system. The heavy weight version is great for reuse, has dual drainage bottom and sides and v-shaped ribs to prevent root wrapping. Made in USA with 100% reclaimed plastic that can be recycled after use. Dimensions 12.52" x 20.88" x 4.59". Case of 25 trays. **Made in the USA.**



720720C	Standard	Ship wt 10 lb
$87.10	**3+ $84.40**	**6+ $82.71**
720715C	Heavy Weight	Ship wt 15 lb
$144.16	**3+ $141.16**	**6+ $139.29**

SUREROOTS™ FORESTRY PLUG TRAYS

Heavy gauge to support filled weight on a railing style or flat bench. V-shaped root guide ribs to encourage downward growth. X bottom for air root pruning. Bottom has center round hole compatible with most dislodging systems. Top surface ventilation provides increased upward air flow throughout the tray, which minimizes moisture that leads to the spread of disease. 5 x 10 Deep: 50 star deep plug tray. Cell Dimensions 2" top, 5" depth. **Case of 25 trays.** Ship wt 24 lb.

720700C **$185.69** **3+ $180.41** **6+ $177.10**

700003C

700026C

700035C

700042C

705155C

705165C

(Pots sold separately)

PRESS-FILL MADE EASY!

T.O. PLASTICS HORTICULTURE

T.O. PRESS FILL TRAYS

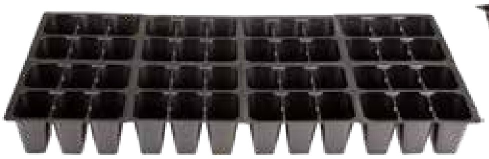
Press-Fill made easy. Simply place a tray, press firmly and lift a fully loaded tray of pots. The trays are made with the special "Press-Fill" design to allow you to fill the tray from edge to edge in seconds, cutting labor costs and increasing productivity. Promotes more efficient use of costly soil mixes.

BENEFITS:

- **Saves time by filling a full tray vs. one pot at a time**
- **Reduces labor costs by up to 80%**
- **Increases flat-filling time by up to 80%**

Size	Description	Item	Case Qty	Cases of pots/ 1 case of trays	Price	3+	6+
2-1/2"	**SVD-250** Square pot	**700003C**	800	-	**$305.98**	**$302.32**	**$300.04**
	Tray holds 32 pots	**705105C**	100	4	**$217.75**	**$214.29**	**$212.13**
3-1/4"	**SVD-325** Square pot	**700014C**	450	-	**$86.34**	**$83.66**	**$81.99**
	Tray holds 18 pots						
3-1/2"	**SVD-350** Square pot	**700026C**	450	-	**$77.95**	**$76.44**	**$75.50**
	Tray holds 18 pots	**705130C**	100	4	**$197.36**	**$194.49**	**$192.70**
3-1/2"	**SVD-355-NP** Square pot	**700035C**	450	-	**$132.63**	**$129.34**	**$127.28**
	Tray holds 18 pots						
4-1/2"	**SVD-450** Square pot	**700042C**	300	-	**$94.37**	**$92.06**	**$90.62**
	Tray holds 12 pots	**705155C**	50	2	**$118.10**	**$116.05**	**$114.77**
4-1/2"	**SVD-450** Square pot	**700051C**	375	-	**$106.57**	**$104.57**	**$103.31**
	Tray holds 15 pots	**705165C**	50	2	**$118.43**	**$116.06**	**$114.57**

SSTI08-806



715405C

715408C

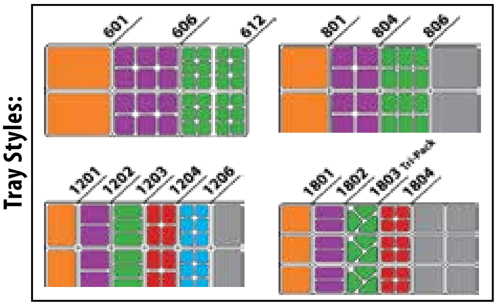
STANDARD INSERTS

Compatible with TO flats and most injection-molded trays. Engineered for easy de-nesting. Serrated between packs for easy separation. Water flow dispersed evenly between cells. Accurate drainage holes. 21"L x 10.5"W x 2.25"D. 100 trays per case. Clean edges for easy handling. Insert series from 200 to 3600 are available. One pallet minimum for non-stock items.

DEEP INSERTS

Tray dimensions are 21"L x 10.5"W x 3.25"D. See individual cell dimensions in chart. **Packed 100 per case.** Ship wt 24 lb.

T.O. PLASTICS HORTICULTURE



Type	Item	Cell Size	Ship wt	Compatible With These Trays:			Price	3+	6+
				710245	710255	710260			
	SSTI08-804	2.38" x 2.38"	19 lb	●	●		**$111.43**	**$108.41**	**$106.52**
	SSTI08-806	1.5" x 2.38"	17 lb	●	●		**$116.39**	**$113.41**	**$111.55**
	SSTI12-1203	3.38" x 1.5"	18 lb	●	●	●	**$116.80**	**$113.79**	**$111.91**
	SSTI18-1801	3.13" x 3.13"	19 lb	●			**$123.06**	**$119.12**	**$116.66**

STIMULATE GERMINATION AND GROWTH

GROLINE WATERPROOF HYDROPONIC PH/EC/TDS/TEMPERATURE POCKET TESTER

6.98
25.0
GroLine
COMBO
waterproof

Pocket-sized and waterproof! This GroLine Pocket Tester is designed specifically for hydroponic, aquaponic, and greenhouse growers. With simple, two-button meter operation and advance features, including a selectable EC to TDS conversion factor for all your essentials in a single, hassle-free tester. With Quick CAL calibrating, the GroLine Meter is quick and easy to calibrate. Using one-point calibration and the Quick Cal solution automatically calibrate your meter for pH and EC in little time. 1-year manufacturer warranty.

This kit includes:

- HI73127 pH electrode
- Electrode removal tool
- Quick-Cal calibration solution sachets (4)
- Electrode cleaning solution sachet (1)
- 1.5-volt batteries (4)
- Storage cap
- Quality certificate
- Instruction manual

pH Range: 0.00-14.00 pH
pH Accuracy: ±0.1 pH
EC Range: 0.00-6.00 mS/cm
TDS Range: 0-3000ppm (500CF); 0- 3999 ppm (700CF)
Temp Range: 0.0-60.0ºC / 32-140ºF
Battery Type: AAA
Battery Life: 500 hours continuous use.

Item	Description	Ship wt	Price	3+	6+
HI98131	Pocket Tester Kit	1 lb	**$222.61**	**$219.05**	**$216.82**
HI73127	Replacement Electrode	.5 lb	**$63.53**	–	–
HI50036P	25-pk Quick Cal 20mL packets	1.5 lb	**$41.89**	**$41.20**	**$40.76**

AGRITAPE™ THERMOSTAT

Precise temperature control from 40-100˚F. Controls up to 120′ of Agritape. Four 2-prong receptacles. 20 amp, 110V. Ship wt 2 lb.

AT1 **$223.48** **3+ $217.81**
6+ $214.26

AGRITAPE™ THERMOSTAT JR.

Precise temperature control from 40-100˚F. 13 amp size; two 2-prong receptacles. Controls up to 80′ of Agritape. 110V, perfect for use with Agritape kit above. Ship wt 2 lb.

ATJR **$207.24** **3+ $201.78**
6+ $198.36

THERMOSTATS

Thermostats for propagation mats. Precise temperature control for germination/propagation systems. 40-100˚F range, 22 amp switch. 120V AC. Can be used with Agritape heaters.

2000W, 4 mat capacity, no adapter required. Ship wt 2 lb.
FT15 **$129.23** **3+ $125.56**
6+ $123.26

800W, 1 mat capacity, or more when used with multiple adapter (not included). Ship wt .5 lb.
FT7 **$84.58** **3+ $82.39** **6+ $81.03**

AGRITAPE™ ROOT ZONE HEATERS

Order to size, or buy the standard 10′ kit. Custom heaters can be ordered to match the length and width of your benches for continuous coverage without cold spots. The best buy we've found: a durable, economical alternative. Agritape uses 2 copper conductors, bonded to tough, sealed mylar film. Thermostatic control gives uniform heating. Place them under growing trays or pots, or bury under beds. Grounding screen and thermostat are required for operation, see listings below.

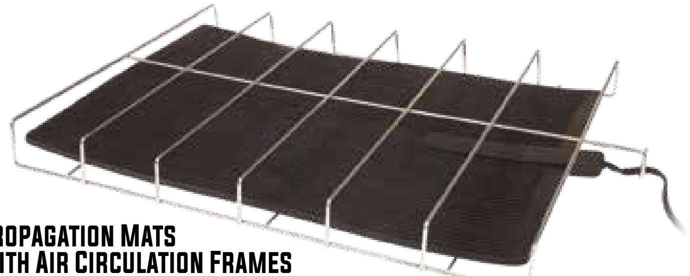
Agritape 10′ Mat Kit

Includes 10′ of Agritape, 1′ x 10′ grounding screen, and instruction book. Ideal for smaller installations. Control unit (thermostat) sold separately. Ship wt 2 lb.
1011M **$103.98** **3+ $101.66** **6+ $100.20**

Agritape By the Foot

11″ wide sheet. 20 watts per foot. 25′ maximum length per piece. Not for use with "GFI" wiring. Factory Service Charge ($10.00) for Agritape orders less than$80.00. Ship wt .5 lb. **Priced per ft.**

11CAG	Sections over 10′	**$10.56**	**3+ $10.37**	**6+ $10.25**
11CAGS	Sections under 10′	**$10.99**	**3+ $10.85**	**6+ $10.76**



PROPAGATION MATS WITH AIR CIRCULATION FRAMES

Easy to use "Electra Grow" mat plugs into any 110-120V AC system. Heavy-duty rubber mat comes complete with flat or pot support frame; lets heat rise, air circulate between mat and flat. Waterproof (except at plug), comes with UL-approved cord.

Item	Size	Watts	Amp	Price	3+	6+
GM1	23″ x 15″	90W	.9	**$77.16**	**$75.64**	**$74.69**
GM2	38″ x 17″	110W	1	**$124.83**	**$121.89**	**$120.05**

PROPAGATION MATS

Energy-efficient, low watt mat uses less than 14W per sq ft of mat. New uniform heating method uses sheet heater instead of cold wires – eliminates cold spots, burn out and shorting when properly grounded and used as recommended. Thermostat and grounding screen are required (sold separately).

Item	Size	Wt	Watts	Ship wt	Price	3+	6+
175LW	22″ X 96″	4 lb	200W	4 lb	**$188.22**	**$182.74**	**$179.32**
110LW	22″ X 44″	2-1/2 lb	90W	3 lb	**$115.49**	**$112.33**	**$110.36**
027LW	22″ X 14″	2 lb	25W	2 lb	**$66.16**	**$64.45**	**$63.38**

FP55
BUY IN BULK & SAVE
FP1400

OPTIMAL WATERING AND ROOT GROWTH!

HYDROFLOAT™ SEED STARTING SYSTEM

Using the same float-type system used in commercial growing operations, it provides the ideal environment for quick germination and vigorous root development. The lightweight 55 cell HydroFloat™ high-density tray floats on water for optimal, even hydration of seedlings. The smooth sealed surface of the tray keeps roots from penetrating cavity walls so seedlings pull out cleanly minimizing root damage.

Grow Plugs are created by blending the highest quality of peat with other organics and a foam binder. The result is a stabilized propagation medium that promotes faster rooting for cuttings while providing consistent moisture for seed germination. With one kit, you can grow a full assortment of plants, flowers and vegetables. Insert plugs directly into the cells of the tray and get growing. **Complete system includes: Hydrofloat™ tray, humidity dome, and 55 Grow Plugs.**

Item	Decription	Ship wt	Price	3+	6+
FPSTKIT	Complete Seed Starting System with 8 oz Plant Fertelixer	3.3 lb	**$35.29**	**$34.55**	**$34.09**
FPST55	Complete Seed Starting System	3 lb	**$26.08**	**$25.48**	**$25.11**
FPST	Repl. Tray with Humidity Dome	1 lb	**$50.00**	**$48.40**	**$47.40**
FP55	Repl. 55-pack Grow Plugs	2 lb	**$11.84**	**$11.47**	**$11.24**
FP1400	Repl. 1,400-pack Grow Plugs	56 lb	**$256.04**	**$248.25**	**$243.38**

710245
710260

T.O. PLASTICS
HORTICULTURE

STANDARD FLATS

Durable flats are consistently vacuum formed for automated filling and handling systems. Compatible with Standard inserts. **Priced per case of 100 flats.** (When purchasing larger quantities, pallets contain 32 cases.) Ship wt 33 lb.

With holes: 11"W x 21.37"L x 2.44"D.
710245 $195.35 3+ $190.21 6+ $186.99

No holes: 11"W x 21.37"L x 2.44"D.
710251 $174.12 3+ $170.68 6+ $168.52

NEW **LEONARD 1 AND 2 GALLON GROW BAGS -** We make our Leonard Grow Bags using a heavyweight fabric. These 1-gallon bags come in bundles of 25. Leonard grow bags are superior to plastic pots in nearly every aspect. Unlike plastic containers, the roots do not circle the bottom of the bag. This design causes the root tips to contact air, which causes them to die. Their death causes a flush of fibrous feeder roots, resulting in an extremely healthy root system. Use Leonard Grow Bags with nearly any plant. They are great for trees, shrubs, vegetables, fruits, and flowering crops. They are also ideal for pot-in-pot or hydroponics systems. Designed for one season use. These bags also save on shipping, costing a fraction of the cost of traditional plastic pots. **Sold in bundles of 25.**

Save on Shipping

A bundle of Leonard Grow Bags is a fraction of the weight of a bundle of pots – and a fraction of the volume! If you wanted 25 gallon plastic pots, they would ship Motor Freight, but we can ship 150 of our 25 gallon grow bags and still be able to ship by UPS!

Facilitating Superior Growth

Unlike plastic pots, roots do not circle. As roots reach the fabric, the root-tip hits air which causes the root tip to die and forces a flush of fibrous feeder roots to develop as a result. This action produces an extremely healthy root system – which is the first step to producing a healthy plant!

Item	Size	Ship wt	Per Bundle	3+ Bundles	6+ Bundles
AGB1	NEW 1 Gallon	1.5 lb	**$20.67**	**$20.05**	**$19.66**
AGB2	NEW 2 Gallon	2 lb	**$23.55**	**$22.84**	**$22.39**

Prices subject to change without notice.
Images not necessarily to scale in relation to each other.

THE POTS YOU CAN PLANT!

BIODEGRADABLE POTS HELP PREVENT TRANSPLANT SHOCK

CowPots
The pots you plant!
Odor Free!
Made with 100% Renewable Composted Cow Manure!
Got plants?
The best pots for starting your plants!
Made by American farmers for plant lovers everywhere!

COWPOTS BIODEGRADABLE POTS

CowPots are a biodegradable, plantable replacement for plastic pots, that have additional benefits as well. CowPots last in a greenhouse setting for up to 12 weeks. Roots easily penetrate the walls of the pot, eliminating transplant shock, and they rapidly breakdown after transplanting providing the goodness of manure to the garden. With no plastic to clean up or dispose of, transplanting is quick and convenient.

Benefits:

- Made from natural and renewable by-product, peat-free
- Unrestricted root growth allows for air pruning
- Fully biodegradable, faster than competitor products
- Planting is simple; no ripping, cutting or disturbing of plant roots, reducing transplant shock
- Pots add to soil fertility and organic structure

Established on a CT dairy farm in 1997, CowPots are a 100% American made product. Made from cow manure, they?re also 100% biodegradable and renewable. A high quality, eco-friendly alternative for seed starting and transplant pots!

Item	Size	Shape	Top Width	Height	Bottom Width	Case Qty	Price	3+	6+
CP6F3	#3	Six Cell Flats	3"	3"	2.13"	50	$41.34	$40.02	$39.19
CPRD3	#3	Round Pot	3.25"	3.38"	2.25"	400	$75.65	–	–
CPRD3840	#3	Round Pot	3.25"	3.38"	2.25"	840	$156.03	$153.25	$151.51
CPSQ3	#3	Square Pot	3"	2.88"	1.88"	400	$97.79	$95.51	$94.09
CPSQ31176	#3	Square Pot	3"	2.88"	1.88"	1176	$226.44	$219.19	$214.67
CPSQ4	#4	Square Pot	4"	3.75"	2.5"	180	$63.88	$61.84	$60.56
CPSQ4T	#4	Square Tall Pot	4.5"	4.38"	2.88"	330	$92.48	$90.42	$89.13
CPRD5	#5	Round Pot	5.5"	4.75"	3.75"	66	$35.28	$34.45	$33.94
CPRD5160	#5	Round Pot	5.5"	4.75"	3.75"	160	$83.57	$81.34	$79.94
CPSQ5	#5	Square Pot	5.25"	5"	3.5"	60	$35.37	$34.43	$33.84
CPSQ5192	#5	Square Pot	5.25"	5"	3.5"	192	$108.40	$105.07	$102.99
CPRD6	#6	Round Pot	6"	4.25"	4.75"	42	$23.83	$23.35	$23.04
CPRD6108	#6	Round Pot	6"	4.25"	4.75"	108	$69.13	$66.92	$65.54
CPSQ6	#6	Square Pot	6"	5"	4.25"	54	$48.27	$47.09	$46.35
CPSQ6108	#6	Square Pot	6"	5"	4.25"	108	$93.58	$91.06	$89.48
CPSQ7	#7	Square Pot	7"	6.13"	4.5"	90	$83.74	–	–
CPSQ12	#12	Square Pot	11.5"	7"	8"	40	$135.63	$133.76	$132.59

SEED STARTING ESSENTIALS!

JIFFY 7 PELLETS

Discs of compressed peat, with fertilizer already added, are encased in a plastic net. Just add water and each pellet expands to an ideal 1-3/4" diameter and approximately 2" deep. Sow or transplant into pots for the perfect growing medium. Choose standard, pre-drilled, or standard pellets pre-loaded in trays. **JPL703** Pre-drilled, for cuttings & transplants, 1000 pellets per case. **JPL750** Pellet Pack - Standard (JPL703) pellets, pre-loaded in a 1020 insert, 50 per tray, 35 trays per case. (Case of 1750 Pellets.)

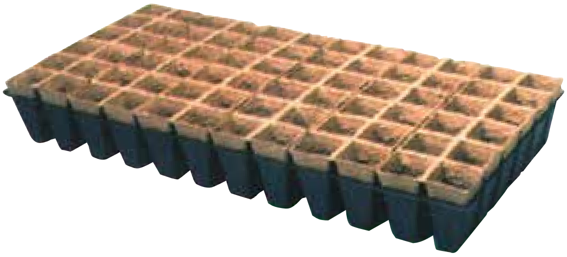
1,000-Pack Peat Pellets
JPL703 Ship wt 14 lb **$137.75** **3+ $134.95** **6+ $133.21**

Case of 1,750 (JPL703) Pellets. Pre-loaded in a 1020 insert, 50 per tray, 35 trays per case.
JPL750 Ship wt 13 lb **$256.59** **3+ $250.83** **6+ $247.23**

JIFFY STRIPS

Multiple Jiffy-Pots in strips for easy handling and flat loading. Separate easily for transplanting.

Item	W x D	Strip	Case Qty	Ship wt	Price	3+	6+
Standard Strips							
JST522	2-1/4 x 2-1/4"	12	2520	29 lb	**$257.32**	**$249.09**	**$243.94**
JST525	2-1/2 x 2-1/4"	8	2304	36 lb	**$188.58**	**$183.13**	**$179.73**
JST530	3 x 3"	6	1260	26 lb	**$188.05**	**$182.75**	**$179.43**
Deep Strips							
JST-523	2-1/4 x 6"	8	1600	47 lb	**$160.74**	**$156.92**	**$154.53**



JIFFY POLY PAKS

The advantages of Jiffy Pots with the flat filling and handling ease of Multi-Pot trays! Ultra-lite carrier sheets use a minimal amount of plastic yet provide excellent plant stability, even in partially empty flats. They also inhibit inter-pot rooting during longer growing cycles.

Item	W x D	Per Pack	Case Qty	Ship wt	Price	3+	6+
JPP-218	2 x 2"	50	2300	28 lb	**$193.91**	**$188.90**	**$185.77**
JPP-220	2 x 3"	50	2000	25 lb	**$184.86**	**$179.72**	**$176.50**
JPP-529	2-1/2 x 3"	32	1344	25 lb	**$212.09**	**$205.97**	**$202.15**
JPP-440	3-1/2 x 4"	18	558	23 lb	**$172.22**	**$167.44**	**$164.46**

INEXPENSIVE, LIGHTWEIGHT, LONG LASTING, AND A REAL TIME SAVER!

JIFFY POTS

Inexpensive, lightweight, and long lasting. Sold per case. Wt 33 lb per case.

Item	Top Dia.	Shape	Depth	Case Qty	Ship wt	Price	3+	6+
JPT122	2-1/4"	Round	2-1/4"	2816	32 lb	**$211.62**	**$205.37**	**$201.46**
JPT130	3"	Round	3"	1404	32 lb	**$129.80**	**$126.97**	**$125.20**
JPT230	3"	Square	3"	1260	35 lb	**$178.59**	**$175.34**	**$173.31**
JPT340	4"	Round	4"	1056	39 lb	**$233.06**	**$226.87**	**$223.00**
JPT-150	5"	Round	4"	600	35 lb	**$155.25**	**$151.36**	**$148.93**

BLACK SILAGE TARPS - Our Black/White Plus Film is a real game-changer and a great value! Save money by using at 3 or 4 mil Plus Film that has a strength and durability of standard films TWICE that thickness! That means you get 6-8 mil strength, with a product that is half the weight – which means you save big on shipping and get a stronger product.

Plus Film is built to last for multiple seasons, and can be used for the lots of applications:
- Silage Tarp for clearing weeds from large areas prior to planting
- Anaerobic Soil Disinfestation
- Weed Barrier and many more!

Item	Type	Width	Thickness	Price	6+	12+
MR3203B	Cover Plus+ Black	32′	3 mil	**$2.17**	**$2.10**	**$2.05**
MR2804B	Cover Plus+ Black	28′	4 mil	**$2.45**	–	–
MR3204B	Cover Plus+ Black	32′	4 mil	**$2.81**	**$2.72**	**$2.66**
MR4004B	Cover Plus+ Black	40′	4 mil	**$3.50**	–	–
MR4804B	Cover Plus+ Black	48	4 mil	**$4.21**	–	–

RED DRAGON®
400,000 BTU BACKPACK TORCH KIT

Ideal for the removal of weeds in the lawn, garden, driveway, fields, fence lines, and irrigation ditches. Also can be used to "hole burn" for growing operations. This 2-1/2" bell, 400,000 BTU torch produces approx. an 18" flame with the hottest temperature around 12" from nozzle. This size is better suited for large coverage areas such as driveways, fence rows and ditches. Ship wt 27.5 lb. **Includes a 10 lb cylinder. Made in the USA.**

BP230	**$449.30**	**3+ $443.91**
	6+ $440.54	

POLY MULCH SHEETING, BLACK

In the garden black mulch films retain heat, moisture, and prevent competing weeds all of which increases crop yields. The black color increases soil temperatures, making it ideal for winter and early spring crops. Can also be used under mulch or stone for landscape weed barriers. 1000' long. 1.5 mil thick.

3015B	3' wide	**$119.74**	**3+ $116.66**	**6+ $114.74**
4015B	4' wide	**$149.73**	**3+ $146.42**	**6+ $144.36**

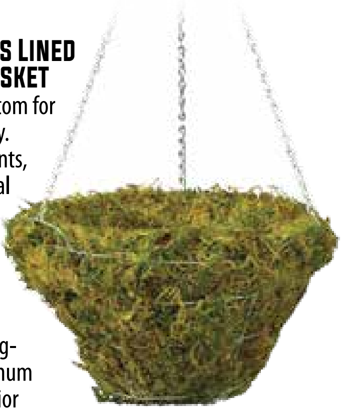
BELDEN HANGING BASKETS

Belden Plastics manufactures their contemporary hanging baskets using 100% recycled materials. Injection-molded green plastic containers. Each case contains 25 baskets and 4-strand hangers. Belden Plastics has provided innovative products to growers since 1965. They engineer and manufacture each of their products in the USA. If you are a grower or a garden center, you can count on the quality of Belden products. The smooth finish shows off your plants instead of salts, spots, or soil. A built-in tag-lock system ensures that plant tags remain in place. Saucerless baskets have holes for drainage. Green color. **Sold in cases of 25.**

690602	12" dia. with wire hanger	
$123.73	**3+ $121.28**	**6+ $119.74**
690801	14" dia. with green hanger	
$235.12	**3+ $230.05**	**6+ $226.89**

BRAUN MOSS LINED HANGING BASKET

With a flat bottom for more versatility. Attractive accents, with the natural look of live moss. Quality, heavy-gauge wire baskets are lined with real, living, long-grained sphagnum moss for superior moisture retention, insulation and drainage. A lovely, functional, all-natural look. In three sizes: 14", 16", or 18". Includes hanging chain. Priced each. Save when you buy a full case of 10. **UPS shippable.**



Item	Dia.	Ship wt	Price
14HB	14"	4 lb	**$20.06**
16HB	16"	4 lb	**$25.51**
18HB	18"	7 lb	**$37.94**

14" FLEUR DE LIS HANGING BASKET

Your customers will snap up this appealing combination. 14" round, powder-coated basket includes a 3-chain hanger and coco liner. Black finish. Ship wt 3 lb.

88512
$20.71
3+ $20.05
6+ $19.63

CX HEAD MASTA 1-2-2

Head Masta is a sure fire way to get exceptional quality with improved flavors and aromatics from your high yielding crop. Use in conjunction with Mighty Bloom Enhancer to get heavy, high quality flowers every cycle! Use 1mL per Liter of nutrient solution during flowering period.

Analysis: Nitrogen 1%,
Phosphate 2%,
Soluble Potash 2%.

HEAD MASTA
1-2-2
5L

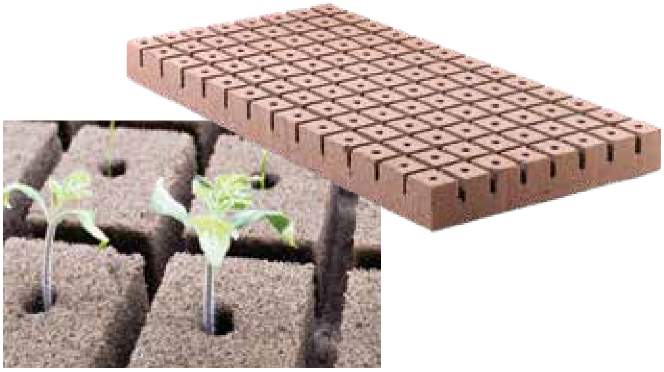
Item	Size	Ship wt	Price	3+	6+
HM1	1 Liter	3 lb	**$34.79**	**$34.18**	**$33.80**
HM5	5 Liter	13 lb	**$170.60**	**$165.53**	**$162.36**
HM10	10 Liter	26 lb	**$311.55**	**$301.62**	**$295.41**
HM20	20 Liter	55 lb	**$595.95**	**$578.98**	**$568.37**

Fibre Dust LLC
OMRI
listed

LAYFLAT COIR SLAB GROW BAGS

These coco coir "lay flat" grow bags foster extreme root growth and are used hydroponic cultivation and commercial greenhouses worldwide. Fibredust OMRI-listed grow bags come with a compressed coir slab. When hydrated, the coco coir fills the bag and is ready for planting. Our grow bags have a natural pH of 5.5 to 6.5, with EC levels below .8. These 1 meter (approximately 3') grow bags are filled with compressed coir that expand to the size of the bag. Ship wt 4 lb.

GB-TRUE	True Blend	**$3.07**	**5+ $3.02**	**10+ $2.99**
GB-BERRY	Berry Blend	**$3.07**	**5+ $3.02**	**10+ $2.99**



Benefits:
- The consistency of the media creates more uniform rooting success
- Superior cutting hydration: Less need for misting simplifies growing process
- Sterile media arrives pathogen-free, reducing disease and insect problems
- Roots remain undisturbed during transplant, eliminating plant shock
- Easy to separate cubes

OASIS® GROWER SOLUTIONS FOAM MEDIUM

Engineered media for increased rooting success. OASIS® Grower Solutions hydrophilic foam in sheet form, with individual cells shaped like cubes that contain just the right amount of starter nutrients and provide an ideal balance ratio of air and water. Ship wt 6 lb.

RC104	104 Count	1.25"	**$131.16**	**3+ $129.62**	**6+ $128.66**
RC50	50 Count	1.5"	**$127.58**		

LITTLE BUDDY HYDROPONIC SHEARS, TITANIUM COATED STAINLESS STEEL BLADES

Offer an extra long 3" blade for harvesting or pruning hydroponic and indoor plants. Made from titanium coated stainless steel, durable plastic and TPR overmold, the Hydroponic Shears are lightweight but rugged. The unique design of these shears finds the blade extended through the handle to increase strength of the tool. Bright yellow plastic and rubber handles are durable, offering a comfortable grip, and are easy to see. Locking mechanism allows for safe and easy storage. Also available with stainless steel.

18033	**$18.80**	**3+ $18.47**	**6+ $18.26**

ColorStorm Premium Rubber Hose
DRAMM

NEW DRAMM COLORSTORM PROFESSIONAL RUBBER HOSE

Durable, flexible and visible! The Dramm ColorStorm Professional Rubber Hose is made from EPDM rubber for a "crackles: hose cover that is resistant to abrasion and weathering. A reinforced hexagonal shape reduces kinking and allows the user to pull free kinks that may occur easier. The Sure-Grip™ cover provides a softer surface for a comfortable grip. Crush-proof, nickel plated, brass fittings for an exact fit that will survive years of use. Bright yellow coloring of the hose calls attention to the hose laying on the ground to prevent trips and easily find. Available in 5/8" and ¾" diameters in 50' and 100' lengths.

CS580	5/8" x 50'	wt. 10 lb.	**$77.89**	**3+ $76.47**	**6+ $75.58**
CS581	5/8" x 100'	wt. 20 lb.	**$144.78**	**3+ $142.17**	**6+ $140.54**
CS340	3/4" x 50'	wt. 14 lb.	**$117.83**	**3+ $115.18**	**6+ $113.53**
CS341	3/4" x 100'	wt. 24 lb.	**$192.39**	**3+ $188.07**	**6+ $185.37**

EXTEND YOUR SEASON & PROTECT YOUR PLANTS FROM FROST

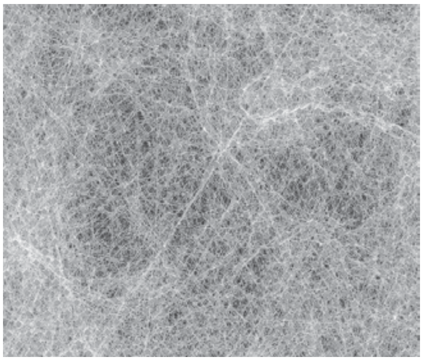
CHOOSE THE RIGHT THICKNESS BELOW:

UP TO 4° FROST PROTECTION 85% LIGHT TRANSMISSION

.5 OZ GERMINATION AND INSECT BLANKET

This lightweight blanket provides an excellent micro-environment for seed germination and seedling growth. It will provide 90-95% of seed germination compared to 60-65% with straw or hay. Other benefits include: earlier yields, insect control, and reduced seed and soil erosion. Provides up to a 4˚ frost protection. 85% light transmission. Priced per roll. **UPS shippable.**

Item	Width	Length	Ship wt	Per Roll	3+ Rolls	6+ Rolls
PR176	6′	250′	7 lb	**$48.34**	**$47.78**	**$47.42**
PR1712	12′	500′	23 lb	**$157.51**	**$155.29**	**$153.90**
PR1724	24′	250′	26 lb	**$180.14**	**$174.70**	**$171.30**

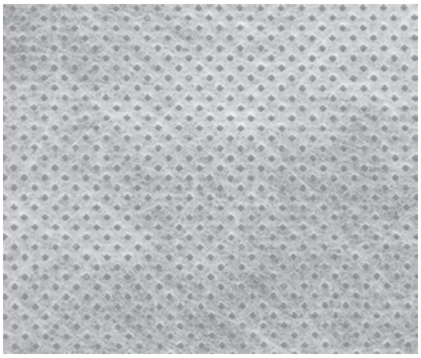


UP TO 8° FROST PROTECTION 50% LIGHT TRANSMISSION

1.5 OZ FROST BLANKET

Medium weight blanket for freeze protection and overwintering. Protects sensitive ornamentals and nursery stock and will extend the harvest season for vegetable crops. Provides 6-8˚ freeze protection. 50% light transmission. Priced per roll. **UPS shippable.**

Item	Width	Length	Ship wt	Per Roll	3+ Rolls	6+ Rolls
PR5012	12′	250′	38 lb	**$239.83**	**$236.45**	**$234.34**
PR5024	24′	100′	31 lb	**$164.73**	**$162.75**	**$161.51**

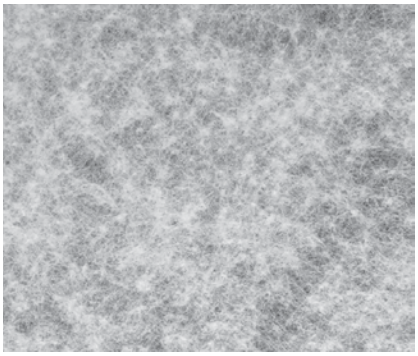


UP TO 10° FROST PROTECTION 40% LIGHT TRANSMISSION

2.5 OZ FROST BLANKET

Heavy weight blanket for freeze protection and overwintering. Durable and effective blanket for overwintering perennials and other ornamentals. Designed to hold heat in but allow irrigation and rain to pass through. Will not cause foliage burn even on sunny days. Provides 10˚+ freeze protection. 40% light transmission. Priced per roll. **UPS shippable.**

Item	Width	Length	Ship wt	Per Roll	3+ Rolls	6+ Rolls
PR8006	6′	250′	28 lb	**$235.05**	**$232.42**	**$230.77**
PR8012	12′	250′	65 lb	**$465.93**	**$460.10**	**$456.45**



GERMINATION GROW MIXES

GERMINATION MIX 3.8CF

LM-18 Germination Mix is a composition of fine Canadian sphagnum peat moss and fine perlite. LM-18 is a media formulated to promote effective and uniform germination. The added amount of perlite contributes to the germination of specific seeds that require more air space providing better drainage. 3.8 cu ft. Has a pH of 5.4 to 6.3.

LM18GM $52.91 8+ $51.77 16+ $51.07

ORGANIC GERMINATION MIX 3.8CF

Lambert LM-18 ORGANIC Germination Mix is a composition of premium fine Canadian sphagnum peat moss and fine perlite with an organic wetting agent and a organic fertilizer as starter charge. This media is formulated to promote effective and uniform seed germination. The added amount of perlite contributes to create an ideal substrate for the germination by increasing air space and drainage. 3.8 cu ft. Has a pH of 5.4 to 6.3.

LM18OGM $62.63 8+ $61.29 16+ $60.45

GERMINATION MIX

Distinctively formulated for seed germination in plugs, trays or floating systems. Made of selected particle size components to facilitate container filling, uniform germination and rapid root growth. Fine peat moss; fine perlite; fine vermiculite; Dolomitic limestone; Calcitic limestone; and a non-ionic wetting agent. Has a pH of 5.2 to 6.0. 3 cu ft.

BM2 $20.22

ALL-PURPOSE GROW MIXES

ALL PURPOSE GROWING MIX WITH PERLITE AND VERMICULITE 3.8CF

Lambert LM-3 All Purpose Mix is formulated from a blend of coarse Canadian sphagnum peat moss, coarse perlite and medium vermiculite. This substrate is an excellent general or all purpose media. A Lambert classic mix! 3.8 cu ft. Has a pH of 5.4 to 6.3.

LM3APM $34.39

PEAT AND PERLITE GROWING MIX

The optimal ratio of coarse sphagnum peat moss and perlite allows for a superior drainage and a better control of your irrigation. Well-suited for the most demanding of crops. Made of: coarse peat moss; horticultural perlite; Dolomitic limestone; Calcitic limestone; and a non-ionic wetting agent. Has a pH of 5.4 to 6.2.

BM6 $24.99 8+ $24.34 16+ $23.93

ALL PURPOSE GROWING MIX 3.8CF

Lambert AFM-3 All Purpose Mix is an aggregate free growing media made up of a very coarse-fibered Canadian sphagnum peat moss that provides excellent water holding capacity. The coarseness of this media provides ideal air space with the added benefit of reduced media shrinkage. 3.8 cu ft. Has a pH of 5.4 to 6.3.

LMAFM3 $46.45 8+ $45.45 16+ $44.83

BARK GROWING MIX

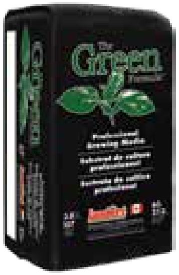
Produced with pine bark, BM7 is formulated for perennials, shrubs and also trees. Bark is used for perennial and greenhouse crops for its weight and strong root anchorage while also able to be used for applications needing heavier weight. Made of: coarse peat moss; pine bark; horticultural perlite; Dolomitic limestone; Calcitic limestone; and a non-ionic wetting agent. Has a pH of 5.6 to 6.4.

BM7 $26.99 8+ $26.13 16+ $25.59

ORGANIC PEAT AND PERLITE MIX 3.8CF

Lambert LM-111 ORGANIC All Purpose Mix is a blend of coarse premium Canadian sphagnum peat moss, chunks and perlite with an organic wetting agent and an extended-release organic fertilizer. Ideal for plants that require good aeration and drainage. 3.8 cu ft. Has a pH of 5.4 to 6.3.

LM111OPP $42.93



GREEN FORMULA HP 3.8CF

Lambert GFM Original General Purpose Mix is formulated from coarse fiber Canadian sphagnum peat moss, perlite and vermiculite. This media can be used straight from the bag for all general purpose planting needs. 3.8 cu ft. Has a pH of 5.4 to 6.3. Available with or without coir.

LMGFHP	No coir	**$42.68**
LMGFHPC	Coir	**$48.56**

SOIL SUPPLEMENTS

NEW **PERLITE -** Horticultural perlite is clean, sterile, pH neutral, non-flammable, odorless, nontoxic and neither decays nor shrinks – even pests such as insects and fungi can't destroy it. When bulk perlite is mixed with organic compost, natural soils or composted bark, it helps anchor the roots of young plants so they grow stronger. While horticultural perlite does retain water and food for the growing plants, it is best used for drainage purposes. A good potting soil should contain at least 25 percent perlite for proper drainage. Since vermiculite retains far more water and food for the growing plant, but does not provide the superior drainage properties of perlite, you can have an even better soil mixture by adding both bulk perlite and vermiculite to your soil. Horticultural perlite is a lightweight substitute for sand and is very useful in a hydroponic gardening systems. Additionally, it is perfect for seed germination and cutting propagation.

PERLITE MEDIUM
PVPMC4 4 Cubic Feet Ship wt. 15lb
$18.36 **8+ $17.77** **16+ $17.41**

PERLITE COARSE
PVPC4 4 Cubic Feet Ship wt. 22lb
$22.78 **8+ $22.05** **16+ $21.60**

PERLITE SUPER COARSE
PVPSC4 4 Cubic Feet Ship wt. 26lb
$28.54 **8+ $27.63** **16+ $27.06**

NEW **VERMICULITE -** Horticultural vermiculite is permanent, clean, odorless, non-toxic, sterile and pH neutral. It will not deteriorate, turn moldy or rot. It is typically mixed with soil, peat, composted pine bark, fertilizers, pesticides and herbicides and promotes faster root growth and quick anchorage to young roots. Horticultural vermiculite is a natural 'wicking' mineral. The vermiculite granules attract and hold ammonium, potassium, calcium and magnesium needed for the growing plants. Additionally, the vermiculite/peat mixture provides excellent aeration and retention of plant food and moisture. The growing plants take what they need (food, air, water, minerals), when they need it from the vermiculite granules, thus less maintenance for the grower and healthier plants with higher yields. Because the vermiculite granules can soak up to over three times its original volume in water it can be a very useful component in a passive hydroponics system that does not utilize pumps or other devices to force the nutrient solution to flow. Additionally, it is perfect for seed germination and cutting propagation.

VERMICULITE MEDIUM, GRADE 2
PVP24CF 4 Cubic Feet Ship wt. 38lb
$32.50 **8+ $31.50** **16+ $30.88**

VERMICULITE COARSE, GRADE 3
PVP34CF 4 Cubic Feet Ship wt. 25lb
$43.25 **8+ $41.95** **16+ $41.14**

VERMICULITE EXTRA COARSE, GRADE 4
PCP44CF 4 Cubic Feet Ship wt. 22lb
$46.04 **8+ $44.62** **16+ $43.73**

VERMICULITE

Palmetto Vermiculite Grade A – 3 is a premium, coarse particle size material meeting ASTM C516 Type 1, Grade 2 specifications. The material is widely used as a component of growing media for professional growers. Additionally, the material is used as a cover for seed topping. The particle size and absence of fines makes the material ideal for packaging smaller boxes of hazardous chemicals for air transport in accordance with IATA Regulations. Note: Size may vary depending on the mine used.

A-3 Course Grade Ship wt 21.8 lb
PVA34CF **$50.56** **8+ $48.94** **16+ $47.93**

A-2 Medium-Grade Ship wt 22 lb
PVA24CF **$43.51** **8+ $42.46** **16+ $41.81**

PALMETTO
VERMICULITE
COARSE
A-3
HIGH QUALITY
AGGREGATE
VERMICULITE
PALMETTO
VERMICULITE
MEDIUM
A-2
HIGH QUALITY
AGGREGATE
VERMICULITE

LAMBERT PEAT MOSS

This brown peat has a medium particle size. It is rich in organic matter and relatively free of sticks. It is very suitable for growers who formulate their own blends of media for flats and garden packs. It is very suitable for bedding plant growers. Has a pH of 3.3 to 4.3.

OMRI
LISTED
lambert
Peat Moss

3.8 cu ft.
LRPM **$26.79**

2 cu ft.
LRPM2 **$13.13** **8+ $12.74** **16+ $12.50**

GIVE YOUNG PLANTS THE LIFT THEY NEED TO SURVIVE AND THRIVE!

DYED GREEN TO BLEND IN!

GREEN-DYED FIRST CUT BAMBOO

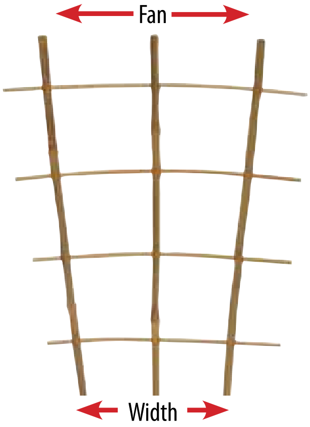
It's all about aesthetics. This is our top-quality first cut bamboo; green-dyed to blend into the landscape. Hand-selected bamboo is three times stronger than wood, ideal for field staking, in the greenhouse, or gardening. Value priced per bale.

Item	Size	Bale Count	Ship wt	Price	4+	8+
18BB	1/4″ x 18″	2000	30 lb	**$177.60**	**$172.56**	**$169.41**
24BB	3/16″ x 24″	2000	52 lb	**$278.40**	**$270.50**	**$265.56**
30BB	3/16″ x 30″	1000	40 lb	**$143.42**	**$139.35**	**$136.81**
36BB	5/16″ x 36″	1000	50 lb	**$137.40**	**$133.50**	**$131.07**
48BB	3/8″ x 48″	500	50 lb	**$174.62**	**$169.67**	**$166.57**

BAMBOO U-TRELLIS

Support your climbing plants with the natural look and economy of bamboo. Natural bamboo canes in a convenient U-shape are designed for use in containers and as garden supports. **Sold in bundles of 100.**

Item	Size	Ship wt	Price	4+	8+
BT24	5" x 24"	11 lb	**$89.50**	**$87.48**	**$86.22**
BT30	8" x 30"	14 lb	**$97.61**	**$95.41**	**$94.03**
BT36	9" x 36"	22 lb	**$101.91**	**$99.61**	**$98.18**
BT48	10" x 48"	33 lb	**$156.36**	**$152.83**	**$150.63**



BAMBOO LADDER TRELLIS

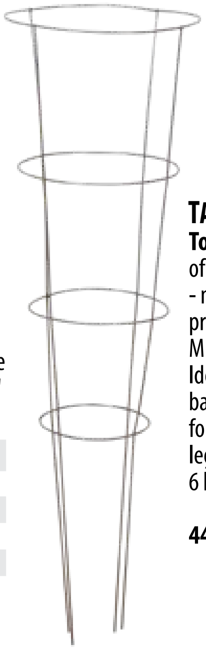
The outside uprights on this versatile ladder-style trellis can slide to create a "fanned" look. Terrific for supporting container plants. **Sold in bundles of 50.**

Item	Height	Width	Fan	Price	4+	8+
BLT24G	24"	z8"	8"	**$133.72**	**$130.70**	**$128.82**
BLT30G	30"	9-1/2"	14"	**$171.46**	**$167.59**	**$165.18**

BLOSSOM SUPPORTS

Commercial quality supports give young plants the lift they need to survive and thrive! Sturdy supports in designs to suit a variety of vegetation-crafted to last and last. Electrostatic powder-coated to resist chipping or cracking; garden green to blend in with your blooms. Crafted of heavy steel 5 gauge wire. Choose 3" diameter hoops for tall, single-stemmed plants such as hollyhocks, delphiniums or foxgloves; 6" diameter for heavier plants like dahlias, coneflowers or poppies. 3" diameter available in 24" and 36" lengths; 6" diameter available in 24", 36" and 48" lengths.

Item	Dia.	Length	Price	8+	16+
BS13-24	3″	24″	**$27.82**	**$26.93**	**$26.37**
BS13-36	3″	36″	**$39.02**	**$37.77**	**$36.99**
BS16-24	6″	24″	**$30.37**	**$29.40**	**$28.79**
BS16-36	6″	36″	**$19.98**	**$19.64**	**$19.43**
BS16-48	6″	48″	**$41.41**	**$40.08**	**$39.26**



TAPERED TOMATO PLANT SUPPORTS

Top quality wire supports! Built-to-last of heavy gauge wire. Compare the quality - more rings, more legs, heavier wire, more protection! Order early to ensure availability! Minimum order - 1 carton. Tapered supports: Ideal for tomatoes or vines. Complete balance, support. Reusable, tapered design for growth spread of bushy plants. 4 rings, 4 legs, 42" overall height. 11" top dia. Ship wt 6 lb. **Priced per carton of 5.**

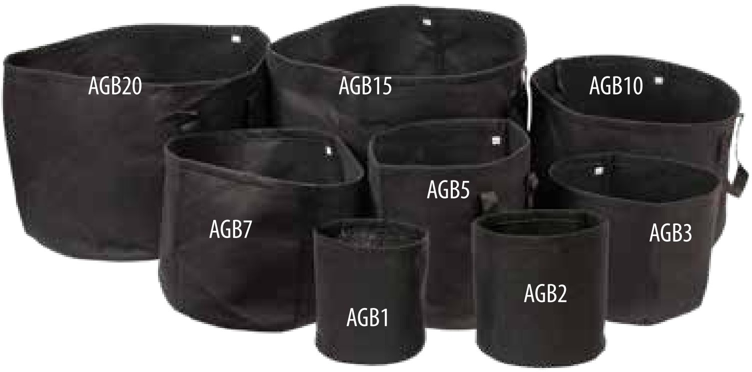
4442S $27.10 4+ $26.23
8+ $25.69

BETTER PLANT GROWTH, TAKES UP LESS STORAGE SPACE!

Features strong handles that completely cradle the grow bag to support heavy trees, shrubs or whatever you can grow in them!

LEONARD GROW BAGS

Leonard grow bags are superior to plastic pots in nearly every aspect. Unlike plastic containers, the roots do not circle the bottom of the bag. This design causes the root tips to contact air, which causes them to die. Their death causes a flush of fibrous feeder roots, resulting in an extremely healthy root system. Use Leonard Grow Bags with nearly any plant. They are great for trees, shrubs, vegetables, fruits, and flowering crops. They are also ideal for pot-in-pot or hydroponics systems. Cradle like design handles on 5 gallons and up resist tearing when moving.



Save on Shipping

A bundle of Leonard Grow Bags is a fraction of the weight of a bundle of pots – and a fraction of the volume! If you wanted 25 gallon plastic pots, they would ship Motor Freight, but we can ship 150 of our 25 gallon grow bags and still be able to ship by UPS!

Super Strong Handles: AGB5 thru AGB25

Woven handles are lock-stitched onto the grow bags and "cradle" the pot as you lift/move

Facilitating Superior Growth

Unlike plastic pots, roots do not circle. As roots reach the fabric, the root-tip hits air which causes the root tip to die and forces a flush of fibrous feeder roots to develop as a result. This action produces an extremely healthy root system – which is the first step to producing a healthy plant!

Strong Fabric

Our grow bags were designed with a strong material to resist tears, increase longevity, and it helps to regulate soil/root zone temperatures.

UPS DELIVERABLE!

Item	Size	Material	Per Bundle	Ship wt	Per Bundle	3+ Bundles	6+ Bundles
AGB1	1 Gallon	150mg	25	1.5 lb	**$20.67**	**$20.05**	**$19.66**
AGB2	2 Gallon	150mg	25	2 lb	**$23.55**	**$22.84**	**$22.39**
AGB3	3 Gallon	200mg	10	2.5 lb	**$16.56**	**$16.03**	**$15.70**
AGB5	5 Gallon	200mg	10	3 lb	**$25.36**	**$24.55**	**$24.04**
AGB7	7 Gallon	200mg	10	3.5 lb	**$24.06**	**$23.58**	**$23.28**
AGB10	10 Gallon	200mg	10	4.5 lb	**$30.30**	**$29.63**	**$29.21**
AGB15	15 Gallon	200mg	10	5.5 lb	**$45.64**	**$44.18**	**$43.27**
AGB20	20 Gallon	200mg	10	7 lb	**$69.75**	**$67.52**	**$66.12**
AGB25	25 Gallon	200mg	10	7.6 lb	**$75.32**	**$72.91**	**$71.40**

LEONARD GROW BAGS ARE THE PERFECT SOLUTION FOR ALMOST ANY APPLICATION:

- Trees, shrubs, or ornamental plants
- Garden vegetables & fruits
- Flowering crops such as Roses, Mums, Bulbs, and Cannabis
- Pot-in-pot growing system
- Indoor Cultivation

SIZE OPTIONS
Made of a durable woven plastic that will last for many seasons. Choose from 1 to 25 gallon sizes.

AIR PRUNING
Breathable fabric is ideal for preventing root circling. Roots "air prune" as soon as they hit the barrier causing the growth of fiberous feeder roots resulting in better food uptake.

VERSATILITY
From 1 to 25 gallon sizes available means our Grow Bags are great for all kinds of plants, trees and shrubs.

HANDLES
5 gal. thru 25 gal. sizes Feature strong woven handles that are secured with a locking stitch that won't let you down.

WEED BARRIER FABRIC & ANCHOR PINS

ANCHOR PINS FOR NETTING AND LANDSCAPE FABRIC

Use these anchor pins with erosion control blankets and landscape fabrics. Size: 6″ x 1″ x 6″. 11 gauge.

24 pins. Ship wt .9 lb.
2420 $16.99
3+ $16.45
6+ $16.11

500 pins. Ship wt 18.4 lb.
616AP
$49.74 3+ $48.15 6+ $47.15

1,000 pins. Ship wt 34.8 lb.
AP1000 $79.14 3+ $77.22 6+ $76.01

FABRIC PIN WITH WASHER

Fabric Pins are an excellent way to hold ground cover and landscape fabrics in place during installation. They can also be used to secure erosion control mats in some soft, loose soils. Drive pin into soil while washer prevents the materials from pulling through. Made from 6-gauge steel. Fastening pins come in 12" and 18" lengths. The washer diameter is 1-1/2". **Box of 100 pins.**

FPW12 12″ Pin Ship wt 13 lb
$64.78 3+ $63.68 6+ $63.00

FPW18 18″ Pin Ship wt 18 lb
$74.60 3+ $73.27 6+ $72.44

3 OZ. WOVEN STYLE GROUND COVER

Control grass and weeds in your container fields and greenhouses. Simply roll out and tack it down. Green stripes every 12″ for easy plant alignment. Provides years of service. Tough 3 oz UV stabilized polypropylene. Resists tears and punctures, yet permeable to water and nutrients. Priced per roll. 3′, 4′, and 6′ rolls are UPS shippable; balance motor freight delivery.

Item	Width	Length	Ship wt	Price	4+	8+
GC33	3′	300′	22 lb	**$88.33**	**$85.50**	**$83.74**
GC43	4′	300′	34 lb	**$106.35**	**$102.95**	**$100.82**
GC63	6′	300′	44 lb	**$166.18**	**$163.64**	**$162.06**
GC103	10′	300′	76 lb	**$276.06**	**$267.23**	**$261.70**
GC123	12′	300′	86 lb	**$365.51**	**$353.81**	**$346.50**
GC153	15′	300′	110 lb	**$414.11**	**$400.86**	**$392.58**

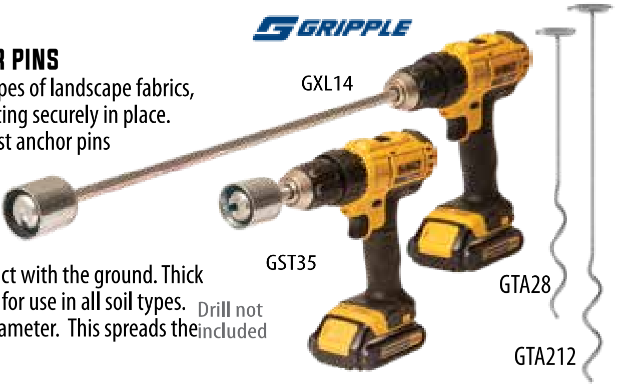
300′, 3 oz Woven: Handy Green stripe every 12″.

GST35
GTA212

GRIPPLE® HIGH LOAD TWIST ANCHOR PINS

Gripple® high load twist anchors hold all types of landscape fabrics, erosion control and turf reinforcement matting securely in place. Available in 8″ and 12″ lengths, gripple twist anchor pins provide superior load bearing and pull out resistance when compared with traditional straight staples or pins. And they help maintain tension in the fabric or matting necessary to ensure constant contact with the ground. Thick 9 gauge steel wire construction is designed for use in all soil types. The round top design measures 1-3/8″ in diameter. This spreads the load and eliminates the need for a washer.

Twist anchor pins are installed using any standard electric drill (not included) equipped with a gripple twist anchor chuck. Quick and easy to install this method is up to 10 times faster than installing traditional pins, and much less labor intensive. Installing twist anchors ensures minimal damage to fabric or matting, limiting weed infiltration. **Sold in a case of 150 twist anchors.**



Drill not included

Item	Description	Ship wt	Price	10+	20+
GTA28	8″ twist anchor pins, case of 150	15 lb	**$156.13**	**$151.13**	**$148.01**
GTA212	12″ twist anchor pins, case of 150	20 lb	**$189.31**	**$183.25**	**$179.47**
GST35	3-1/2″ anchor chuck	.5 lb	**$17.88**	**$17.37**	**$17.05**
GXL14	14″ anchor chuck	1 lb	**$22.30**	**$21.67**	**$21.27**

The following test results show that these twist anchors provide superior pull-out resistance versus traditional staples and pins:

*Pull out resistance (lbs)

GTA28: 8″ twist anchor: Clay 216, loam 132, sand 59.
Traditional 8″ sod staple: Clay 48, loam 30, sand 9

GTA212: 12″ twist anchor: Clay 233, loam 198, sand 106.
Traditional 12″ washer pin: Clay 45, loam 22, sand 10

CONTAINER WEED PREVENTION

TEXR SPINOUT COATED FABRICS

Geodisc, weed-free containers, without expensive hand weeding! Easy to install, long-lasting, UV-resistant discs of needle punched non-woven fiber fabric are backed by a copper impregnated latex coating. Helps prevent surface germination of weeds. Pre-cut to slip into place. Permeable for a constant passage of air, water and even solid and diluted fertilizers. Terrific for herbicide sensitive plants. 0.35 mm to 0.5 mm thick. Choose a diameter slightly greater than the containers (up to 3/4″ larger) so that it clings to the inside of the pot. Other sizes available.

Item #	Disc Dia	Pack Count	Ship wt	Price	5+	10+
GE04	4″	500	2 lb	**$96.21**	**$94.15**	**$92.86**
GE065	6-1/2″	500	4 lb	**$124.34**	**$121.72**	**$120.09**
GE07	7″	500	4 lb	**$132.02**	**$129.35**	**$127.68**
GE08	8″	500	5 lb	**$194.71**	**$190.41**	**$187.72**
GE09	9″	500	7 lb	**$209.21**	**$205.44**	**$203.08**
GE010	10″	500	8 lb	**$257.67**	**$252.28**	**$248.91**
GE011	11″	500	10 lb	**$265.75**	**$262.53**	**$260.52**
GE013	13″	500	16 lb	**$457.74**	**$449.87**	**$444.96**
GE16	16″	100	5 lb	**$129.98**	**$127.47**	**$125.91**
GE18	18″	100	6 lb	**$150.43**	**$148.32**	**$147.00**
GE24	24″	50	5 lb	**$131.22**	–	–

VIRTUALLY ELIMINATE HAND WEEDING OF CONTAINER PLANTS!

COCO WEED GUARDS

The natural alternative to weed control. Weeding pots is a time-consuming, expensive and back-breaking task. Can block weed growth (including liverwort) in your containers. Air still circulates, allowing roots to breathe and will not attract or trap heat like plastic disks. 100% natural, biodegradeable. No more weeding or spraying expensive/dangerous herbicides around your containers: Ideal for sensitive plants! Also improves water conservation.

- Air can penetrate, allowing roots to breathe
- Will not attract or trap heat
- Chemical-free weed control
- Biodegradable
- Less watering due to reduced evaporation
- Thick and heavy enough to stay in place in winds

Item	Diameter CM/INCH	Qty Per Case	Case wt	Per Case	5+ Cases	10+ Cases
CD15A	15 cm/5.90″	850	23 lb	**$144.15**	**$141.15**	**$139.27**
CD17A	17 cm/6.69″	715	23 lb	**$141.17**	**$137.94**	**$135.92**
CD21A	21 cm/8.27″	470	33 lb	**$120.19**	**$117.51**	**$115.83**
CD27A	27 cm/10.62″	280	50 lb	**$115.48**	**$112.87**	**$111.24**
CD29A	29 cm/11.41″	240	31 lb	**$123.97**	**$120.50**	**$118.33**
CD35A	35 cm/13.77″	50	26 lb	**$31.70**	**$30.86**	**$30.33**
CD37A	37 cm/14.57″	50	26 lb	**$37.90**	**$36.70**	**$35.95**
CD38A	38 cm/14.96″	50	26 lb	**$36.46**	**$35.52**	**$34.93**
CD44A	44 cm/17.32″	50	39 lb	**$50.94**	**$49.97**	**$49.36**
CD50A	50 cm/19.69″	50	47 lb	**$71.74**	**$69.67**	**$68.37**
CD60A	60 cm/23.62″	50	59 lb	**$92.50**	**$90.57**	**$89.36**
CD90A	90 cm/35.43″	15	70 lb	**$88.97**	**$86.33**	**$84.69**

RICE HULL BALE

PBH Nature's Media Amendment is a uniquely processed rice hull product from Riceland Foods, Inc. with multiple uses in the greenhouse and nursery environment. For greenhouse production, it is the perfect replacement for perlite in the growing mix. In nursery stock, PBH is used as a container topdress to prevent airborne weed seeds from reaching the growing mix. Highly compressed when packaged in your choice of a 30-cu.-ft. bag or a 50 lb bale, PBH Nature's Media Amendment lowers freight costs, generates less waste and minimizes storage and handling. It is a natural by-product of rice and a renewable resource with much to offer greenhouse growers, nurserymen, consumers and the environment. **PBH is OMRI Listed® and WSDA registered.**

RHB	90 cu ft	**$172.32**	**5+ $168.76**	**10+ $166.53**
RHB7P	7 cu ft	**$23.10**	**5+ $22.36**	**10+ $21.90**

ROOT POUCH (ROOT CONTROL FABRIC POTS)

Award winning technology takes a mixture of recycled natural fibers and recycled bottles otherwise destined for our landfills and turns them into a lightweight, breathable geotextile that is then crafted into plant pots that breakdown (degrade) once they are planted in the ground. The only pots that offer different fabrics for specific growing needs!

THIN BLACK AND CHARCOAL LINE

One and Done. Natural fiber blended fabric. Specifically designed for indoor growing. Thin-walled, ideal for propagation. Not all sizes stocked, but can be ordered.

Thin Black (15-20 months) Great for propagation, seedlings, clones, vegetables and other young plants; Form a square bottom by flipping inside out to fit into trays.

Item	Size	W x H	Count	Ship wt	Price	5+	10+
RP115	1 gal.	6" x 7.5"	50	3 lb	**$30.32**	**$29.73**	**$29.37**
RP315	3 gal.	10" x 8.5"	50	4.5 lb	**$59.98**	**$58.41**	**$57.43**

Charcoal (18-24 months) Designed for controlled environment growing for cannabis, flowers, perennials and short crops. 12-18 month lifespan.

NOW OFFERING BALE QUANTITY DISCOUNTS!

Item	Size	W x H	Count	Ship wt	Price	5+	10+
RP118B	1 gal.	6" x 7.5"	Bale	1.5 lb	**$23.80**	**$23.04**	**$22.56**
RP218B	2 gal.	8.5" x 8.5"	Bale	2.5 lb	**$33.58**	**$32.51**	**$31.83**
RP318B	3 gal.	10" x 8.5"	Bale	3 lb	**$34.94**	**$33.82**	**$33.12**

BLACK AND GRAY LINE

Natural fiber blended fabric. Natural fiber allow for in-ground use and draw water and nutrients from surrounding soil. Durable enough for above ground growing. *These products come with Handles.

Gray (3-4 years)

Item	Size	W x H	Count	Ship wt	Price	5+	10+
RP33	3 gal.	10" x 8.5"	25	3.5 lb	**$33.37**	**$32.65**	**$32.20**
RP5H3*	5 gal.	11" x 10.25"	10	3 lb	**$21.67**	**$21.06**	**$20.68**
RP7H3*	7 gal.	14" x 11.75"	10	3.5 lb	**$27.93**	**$27.15**	**$26.67**
RP10H3*	10 gal.	16" x 12"	10	4 lb	**$34.11**	**$33.16**	**$32.57**

Black (4-5 years)

Item	Size	W x H	Count	Ship wt	Price	5+	10+
RP15H4*	15 gal.	17" x 15"	10	4.5 lb	**$54.82**	**$53.32**	**$52.38**
RP20H4*	20 gal.	20" x 16"	10	5.5 lb	**$65.57**	**$64.17**	**$63.29**
RP25H4*	25 gal.	21" x 16.5"	10	6 lb	**$72.17**	**$70.79**	**$69.92**

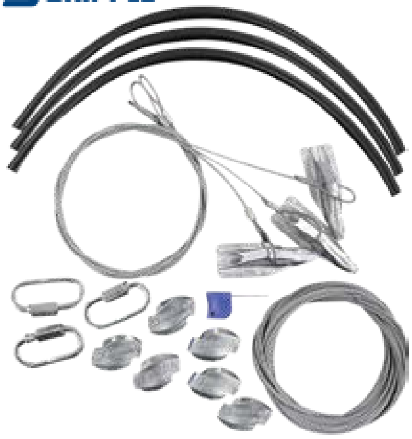
BOXER LINE

100% synthetic blend of recycled plastic water bottles and are washable / Re-usable. Heavy Weight Fabrics. Used for above ground growing and lasts multiple seasons. Not all sizes stocked, but can be ordered. Available in Green and Navy as well, see AMLEO.com. * These products come with Handles.

Item	Longevity	Fabric	Size	Count	Ship wt	Price	4+	8+
BOXER3*	Multi-Year	Brown	3 gallon	25	3.5 lb	**$5.57**	**$5.39**	**$5.28**
BOXER5*	Multi-Year	Brown	5 gallon	10	3 lb	**$6.59**	**$6.38**	**$6.25**
BOXER7*	Multi-Year	Brown	7 gallon	10	3.5 lb	**$7.07**	**$6.84**	**$6.70**
BOXER10*	Multi-Year	Brown	10 gallon	10	4 lb	**$8.27**	**$8.01**	**$7.84**
BOXER15*	Multi-Year	Brown	15 gallon	10	4.5 lb	**$10.03**	**$9.71**	**$9.51**
BOXER20*	Multi-Year	Brown	20 gallon	10	5.5 lb	**$12.02**	**$11.64**	**$11.39**
BOXER30*	Multi-Year	Brown	30 gallon	10	6 lb	**$13.64**	**$13.35**	**$13.16**
BOXER100*	Multi-Year	Brown	100 gallon	Each	1 lb	**$28.93**	**$28.00**	**$27.43**
BOXER150*	Multi-Year	Brown	150 gallon	Each	1.5 lb	**$32.96**	**$31.91**	**$31.25**
BOXER200*	Multi-Year	Brown	200 gallon	Each	2 lb	**$36.31**	**$35.30**	**$34.67**

EACH KIT INCLUDES:

- 3 Gripple Ground Anchors, with attached cable tensions
- 6 Gripple Fasteners
- 1 Setting Key
- 3 Quick links
- 3 protective rubber sleeves, and safety webbing kit



GRIPPLE® TREE GUYING KITS

Gripple's revolutionary Tree Guying Kits utilize the highest quality ground anchors, cables and Gripple joiners and tensioners. And unlike any other tree bracing system, Gripple tree guying kits utilize Gripple joiners. These one of a kind, patented Gripple Joiners allow the bracing system to be tensioned and retensioned. Simply use the tensioning tool and a Gripple setting key to apply, release, and adjust tension at any time. Tree guying kits stabilize trees to protect against damage from high wind. And applying tension to the tree braces promotes vertical tree growth. Drive Rod tools are essential for installation (sold separately).

Item	Tree Size (High/Dia)	Ship wt	Price	10+	20+
GTGK2	8'/5"	3.4 lb	$38.54	$37.31	$36.54
GTGK3	15'/10"	4.9 lb	$54.02	$52.29	$51.21
GTGK4	25'/18"	7.5 lb	$61.38	$60.00	$59.14

GTGK2: Utilizes GBA23 ground anchors, a 12' long 1/16" diameter 7x7 strand cable, and Small Gripple Fasteners. (Requires GDR2-CIV drive rod)

GTGK3: Utilizes GBA34 ground anchors, a 14' long 1/8" diameter 7x7 strand cable, and Medium Gripple Fasteners. (Requires GDR34-CRS or GDG34-CIV drive rod)

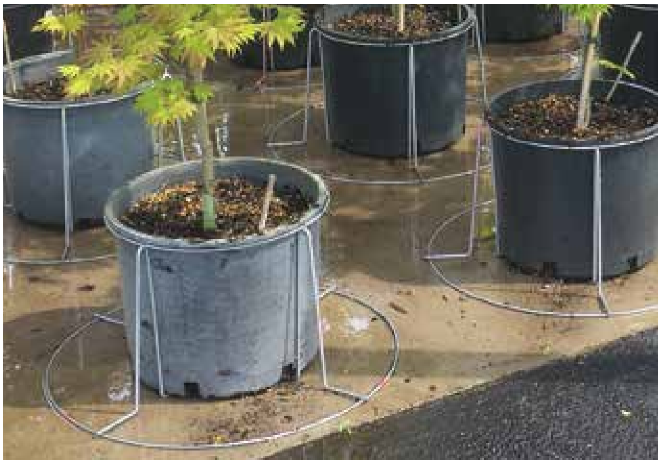
GTGK4: Utilizes GBA44 ground anchors, a 16' long 5/32" diameter 7x7 strand cable, and Large Gripple Fasteners. (Requires GDR34-CRS or GDG34-CIV drive rod)

3-5 YEARS OF SUPPORT

QUICK BANDS

An absolute MUST in every nursery, vineyard, farm and orchard! Simes plant tie bands are easy to apply - save 20% in labor costs. Environmentally friendly - holds a firm grip for 3-5 years, then disintegrates. Excellent for bamboo teepees and vine support. Will not damage agricultural products and machines.. PRICED PER KG. UV-treated bands have a 3-5 year field life expectancy. EPDM rubber makes them strong, flexible, and reusable. Quick and easy installation for a multitude of uses. From supporting vines, fruits, young trees and plants to trellising. 1.5 mm thickness. Sold in 2 lb packs. Ship wt 2.2 lb.

Item	Size (mm) W x L	Lay flat inches	Quantity per lb	Price	5+	10+
AT4030-KG	4 x 30	1-1/8"	453	$51.15	$47.97	$45.98
AT4050-KG	3.5 x 50	2"	351	$52.74	$49.30	$47.16
AT4070-KG	3 x 70	2-3/4"	280	$27.07	$25.80	$25.01
AT4100-KG	4 x 100	4"	213	$51.37	$48.16	$46.15
AT6150-KG	5 x 150	5-7/8"	100	$50.22	$47.11	$45.16



BETTER BILT TOP HAT™ PLANT CONTAINER STABILIZER

Saves labor and damaged plants! Unique, TopHat™ design, nursery container stabilizer incorporates self-adjusting wire fingers that securely center and grip the container. These wire fingers transfer weight outward to the extended base ring. Our Top Hat Stabilizer Baskets afford containerized plants a wide and stable platform and resist horizontal strains during windstorms and blowing rain. Top Hats help prevent wind damage due to blowovers. They also work great to hold plants that are tough to get straight in their containers. Easy to use, easy to stack and reuse. Galvanized steel wire construction. Built to last 10 years or more. Made in USA and used by top nursery and garden centers. No-trip, walk-through design!

Item	Gallon	Diameter	Weight	Price	8+	16+
3PS3	3	7-1/8"	1 lb	$16.66	$16.13	$15.79
3PS5	5	8-7/8"	1 lb	$18.56	$17.97	$17.59
3PS7	7	11-3/16"	1.75 lb	$18.31	$17.72	$17.36
3PS10	10	12-1/4"	2.5 lb	$20.18	$19.53	$19.13
3PS15	15	15-3/16"	3.75 lb	$20.86	$20.44	$20.18
3PS20	20	21-1/4"	7.75 lb	$61.84	$59.86	$58.62
3PS25	25	21-1/4"	9 lb	$72.71	$70.38	$68.93

QUALITY MOLDED CONTAINERS

BLOW MOLDED NURSERY POT, 3 GALLON

Blow-molded pots are heavyweight and offer exceptional durability, strength and value. Clean and re-use again and again.

NMB300P **$3,886.53** **5+ $3,762.16** **10+ $3,684.43**

INJECTION MOLDED NURSERY POT, 5 GALLON

Made from high-grade polypropylene, injection molded for strength and rigidity. This sturdy container is strong enough for shipping and selling. Sold as Pallet of 1950.

NIM500P **$4,061.89** **5+ $3,931.91** **10+ $3,850.67**

THERMOFORM NURSERY POT, TRADE 1 GALLON

Catalog Copy: The 1 gallon Thermoform Plastic Pots are durably constructed yet flexible enough to be used in growing a variety of different plant varieties. Made from polypropylene, the thermoform plastic pots are BPA Free and UV protected. Trade one gallon.

87110
$357.98
5+ $346.52 **10+ $339.37**

THERMOFORM NURSERY POT, 1 GALLON

Catalog Copy: The 1 gallon Thermoform Plastic Pots are durably constructed yet flexible enough to be used in growing a variety of different plant varieties. Made from polypropylene, the thermoform plastic pots are BPA Free and UV protected. 8″ round, one gallon.

87111 **$329.38**
5+ $318.84 **10+ $312.25**

HAVILAND LARGE BLOW-MOLDED NURSERY CONTAINERS

Superior strength and durability! Blow-molded HDPE resin, with tapered side walls for added strength and rigidity. The 7 gallon and larger containers have handles that are molded into the plastic for easier movement and stacking. Available in a wide variety of sizes to fit your needs. Black only. Quantity discounts available. *Marked sizes and large orders are motor freight delivery. **Due to fluctuating markets, prices may change. Call for current pricing and availability.**

Item	Gallons	Trade Size	W (in) x H (in)	Bundle Count	Ship wt	Price	5+	10+
HC20-10	20.04	20	20 x 17	10	30 lb	**$152.78**	**$147.89**	**$144.84**
HC25	27.50	25	24 x 18	10	46 lb	**$143.86**	**$139.26**	**$136.38**
HC45*	47.15	45	30 x 20	1	8 lb	**$49.69**	**$48.10**	**$47.11**
HC65*	62.00	65	32 x 21	1	10 lb	**$54.11**	**$52.38**	**$51.30**
HC100*	97.17	100	38 x 24-1/2	1	13 lb	**$125.45**	**$121.44**	**$118.93**
HC200*	176.55	200	48 x 27-1/2	1	27 lb	**$155.37**	**$151.55**	**$149.16**
Squat Series								
HC15S	14.33	15 squat	19-3/4 x 13	10	27 lb	**$112.76**	**$109.41**	**$107.32**
HC20S-10	20.35	20 squat	24 x 13-3/4	10	30 lb	**$123.56**	**$119.61**	**$117.13**
HC35S	34.00	35 squat	28 x 15	1	5.3 lb	**$38.09**	**$36.87**	**$36.11**
HC65S*	65.84	65 squat	35-1/2 x 17-1/2	1	12 lb	**$73.86**	**$71.77**	**$70.46**
HC100S*	99.94	100 squat	42-1/2 x 19	1	17 lb	**$127.27**	**$123.20**	**$120.65**
HC200S*	175.07	200	51 x 24	1	30 lb	**$138.89**	**$135.96**	**$134.13**
HP300	3	Full 3	11″ x 9-5/8″	90	32 lb	**$147.19**	**$143.21**	**$140.72**

NSI INJECTION-MOLDED POLY-TAINERS™

Tough — for distance transport and tier stacking. Poly-tainer™ cans are injection molded for strength and rigidity. This sturdy container is strong enough for shipping and attractively styled for selling. Poly-tainer™ cans are available in #1 to #6 sizes and a variety of shapes including square, squat, and round, as well as baskets. Interior grasping ridges, with a smooth exterior wall ideal for labeling, hot-stamping, and printing. The PTNS400 and PTNS600 pots include teeth-lock tag slots. Prices listed are for black only. Please call for a custom quote on other colors or bulk quantities.

Item	Trade Size	Top Dia.	Height	Gallon	Stack Qty	Ship wt	Price	5+	10+
PTC700	1	6″	6.875″	.742	50	12 lb	**$53.30**	–	–
PTNS400	True 1	7.5″	7″	1.060	60	15 lb	**$81.31**	–	–
PTNS600	2	8.5″	8.5″	1.730	50	22 lb	**$74.24**	–	–
NSPT3	3	10.125″	9″	2.539	80	30 lb	**$182.89**	**$178.93**	**$176.46**
NSPT6	5 Squat	12.25″	9″	3.976	43	31 lb	**$210.18**	**$204.97**	**$201.72**
NSPT7S	7 Squat	14″	11.25″	6	24	45 lb	**$222.56**	**$216.53**	**$212.76**
NSPT10	10	14.75″	14.75″	9.992	27	39 lb	**$351.54**	**$344.72**	**$340.46**
NSPT15T	15 Tall	14.75″	17.625″	12.382	27	31 lb	**$268.15**	**$262.93**	**$259.67**

Due to fluctuating markets, prices may change. Call for current pricing.

NSI PREMIER™

Pressure forming creates economical and strong containers. Premier™ pressure-formed containers are light, strong and resilient, consistent in weight, and uniform in design. They offer quality and economy that is unmatched in the industry. An environmentally friendly process, pressure forming distributes material more efficiently. Top-banding and rolled edges increase top rigidity. Raised drainage promotes a healthy root system for strong, vigorous plants. Visually appealing, with smooth sides that are easy to label. Many colors and even metallic sheens are available, prices listed are for black only. Please call for a custom quote on other colors or bulk quantities.

Item	Trade Size	Top Dia.	Height	Gallon	Stack Qty	Ship wt	Price
NSPF310S	1	6.125″	6.5″	.656	80	8 lb	**$49.05**
NSPF310	1	6.125″	7″	.679	80	8 lb	**$48.41**
NSPF400	True 1	7.5″	7.125″	1	85	12 lb	**$70.22**
NSPF600	2	8.5″	8.5″	1.5	90	12 lb	**$110.51**
NSPF1200	True 3	10.5″	9.375″	3	71	21 lb	**$103.81**

NURSERY SUPPLIES BLOW MOLDED CONTAINERS

Additional sizes, styles, and colors are available. Many containers are also available with smooth sides. All Nursery Supplies blow-molded containers carry a one-year manufacturer's guarantee. Black. SHIPPING NOTE: 45 gallon and larger must ship motor freight.

Due to fluctuating markets, prices may change. Call for current pricing.

- 100% high-density polyethylene
- Over 50 sizes available
- Three weights available
- Strong and flexible
- Cost effective
- Label compatible
- One-year manufacturer's quality guarantee
- The Classic® is the heavyweight of our blow-molded line and is frequently used as a substitute for injection-molded containers.
- The Olympian™ is an industry standard mid weight that excels with durability and rigidity.
- The Custom™ is our economy line of blow-molded containers. This container is designed to get your plants to market efficiently.

Item	Ship wt	Trade Size	Top Dia.	Ht.	Gal.	Mid-Weight Olympian	Economy Custom	Stack Qty	Price	5+	10+
NSC300S	8 lb	1	6.5″	6.5″	.664		•	100	**$53.12**	–	–
NSC300	11 lb	1	6.375″	7.25″	.734		•	100	**$56.59**	–	–
NSC400	9 lb	1	7.75″	7″	1.007		•	92	**$81.13**	**$80.24**	**$79.68**
NSC550	13 lb	Lg. Mum	9″	6.125″	1.21		•	97	**$120.49**	**$118.99**	**$118.05**
NSC600	19 lb	2	9″	8.5″	1.593		•	105	**$105.42**	–	–
NSC900	17 lb	2	9.5″	9.125″	1.937		•	83	**$123.92**	**$121.85**	**$120.55**
NSC1200	20 lb	3	11″	9.5″	3		•	56	**$87.90**	–	–
NSC1600	19 lb	5	11.875″	10.25″	3.734		•	47	**$117.47**	–	–
NSC2000	18 lb	5	11.875″	11″	3.843		•	44	**$109.20**	–	–
NSC2800	17 lb	7 Squat	14″	11.5″	6.085		•	31	**$174.81**	**$169.89**	**$166.82**
NSC6900XL	34 lb	15 Squat	18.375″	15.125″	13.351	•		18	**$225.90**	**$219.35**	**$215.25**
NSC10000XL	20 lb	25	23.75″	18.125″	27.17	•		10	**$187.87**	**$182.71**	**$179.49**

FIBER POTS

Tough, stackable, crush proof post effectively protect the root ball of your plant. Pots are easy to handle and attractive. For container or field grown stock.

3R66	6-1/2" x 6", 80 count	**$67.13**		
3R78	7" x 7-3/4", 35 count	**$45.33**	**5+ $44.46**	**10+ $43.92**
3R88	8-1/2" x 8-1/4", 35 count	**$43.19**	**5+ $42.54**	**10+ $42.14**
3R1011	10-1/2" x 10-1/2", 25 count	**$76.17**	**5+ $74.66**	**10+ $73.72**
3R1312	13" x 11-1/4", 20 count	**$68.40**	**5+ $66.90**	**10+ $65.95**

HAVILAND HIGH PERFORMANCE SERIES THERMOFORMED HDPE TRADE SIZE 5

Made entirely of 100% recycled material! These pots offer many advantages including stronger rolled lip for easier carrying and filling; fluted bottom for stronger stacking/transport; extra drain holes for better drainage; and bottom drain holes to prevent weed growth. Sold in bundles and available in multiple sizes.

HC4 3.58 gal. 11-3/4" x 10-1/4" 70 count
Ship wt 58 lb.
$137.52 **5+ $133.12** **10+ $130.37**

HC5 4.02 gal. 12" x 11" 55 count
Ship wt 29 lb.
$147.04 **5+ $142.33** **10+ $139.39**

HAVILAND LARGE BLOW-MOLDED NURSERY CONTAINERS

Superior strength and durability! Blow-molded HDPE resin, with tapered side walls for added strength and rigidity. Black only. Quantity discounts available. **Due to fluctuating markets, prices may change. Call for current pricing and availability.**

HCP6 6.06 gal. Pecan 10-5/8" x 20" 20 count
Ship wt 12 lb.
$161.49 **5+ $156.32** **10+ $153.09**

HCL25 25 gal. 24" x 18" 10 count Ship wt 46 lb.
$92.14 **5+ $90.62** **10+ $89.67**

TOP QUALITY MOLDED CONTAINERS

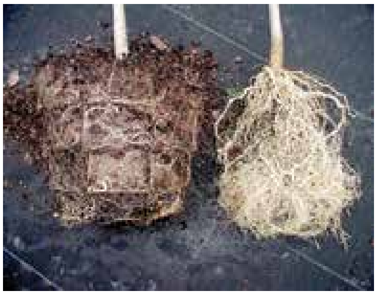
THE ORIGINAL ROOT-PRUNING CONTAINER SYSTEM

ROOTMAKERS®

Designed to create fibrous, non-circling root systems horizontally and vertically at all phases of production to equip plants for transplanting success. These are not just "containers" but rather root production tools.

Benefits:

- Creates a fibrous, non-circling root system
- Promotes horizontal root branching
- Greater water and nutrient absorption
- Complements a variety of production methods



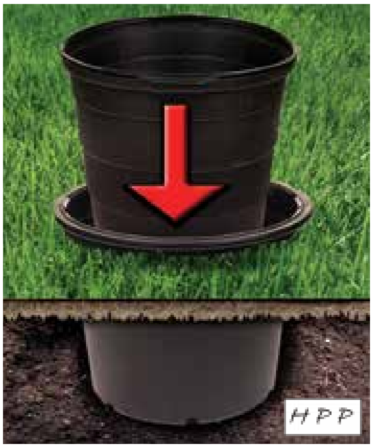
Same plant with dirt blown away to show root growth.

Item	Size	Dia.	Height	Qty	Ship wt	Price	5+	10+
RMC1	1 gal	7"	7-1/2"	72	25 lb	**$137.05**	**$133.63**	**$131.49**
RMC3	3 gal	12"	9-1/2"	15	23 lb	**$108.02**	**$104.56**	**$102.40**
RMC5	5 gal	14-1/2"	9-3/4"	10	18 lb	**$114.91**	**$111.23**	**$108.93**

HARVEST FASTER AND EASIER USING THE POT-IN-POT TECHNIQUE!

POT-IN-POT IN-GROUND NURSERY CONTAINERS

Heavy duty socket pots are permanently buried with the top rim of the pot above ground level. Liner pots with plants in them are then inserted into the socket pot. The liner pot is perfectly sized so that the rim catches on the socket pot rim, keeping the containers from jamming together. This method combines the advantages of field growing with the convenience of container growing.



Item	Size	Dia.	Height	Qty	Ship wt	Price	5+	10+
HCL25	25 gal liner pot	24"	18"	10	46 lb	**$92.14**	**$90.62**	**$89.67**
NSGL6900	15 gal socket pot	17-1/4"	15"	17	43 lb	**$352.85**	**$348.52**	**$345.81**
NSGL10000	25 gal socket pot	22-3/4"	18"	10	44 lb	**$376.47**	**$367.82**	**$362.41**

ELIMINATES TIME WASTED TURNING POTS TO BREAK ROOTS!

TEXEL SPINOUT SQUARES FOR POT-IN-POT

Copper hydroxide double coated fabric squares stop escaping roots on contact. Prevents roots from binding the pot to the socket. Grey fabric, black on the copper side, is manufactured of polypropylene and/or polyester. **Priced per bundle of 100 squares.** Call for additional sizes and quantity discounts.

Item	Description	Ship wt	Price
INS18	18" x 18", for 5-7 gal	9 lb	**$246.07**
INS24	24" x 24", for 10-15 gal	12 lb	**$440.17**
INS36	36" x 36", for 20-25 gal	35 lb	**$973.53**

DRIP AND LOW VOLUME IRRIGATION

MAXIJET IRRIGATION ADJUSTABLE DRIP/SPRAY STAKE ASSEMBLY

A slow watering system for hanging baskets and small potted plants! A 5″ stake can be easily placed where you want to water. 8 stream spray pattern easily adjusts from a dripper to a 2′-3′, 360° pattern by turning the top dial. Dripper stake adjusts to flow between 0 and 10 gph. Operating pressures of 5-35 psi. Complete with 36″ black flexible vinyl supply tube with barb. Ship wt .3 lb. NOTE: Priced per bundle of 25.

ADS36 $69.72 3+ $67.49 6+ $66.09

CONTAINERIZED STOCK ASSEMBLY

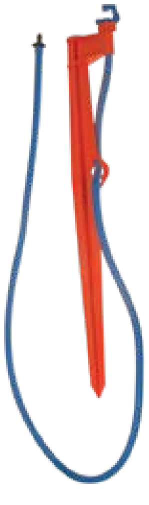
A quick and easy way to water! 160˚ fan spray for 1-15 gallon containers. Works well from low pressures of 2-3 psi (3.7 to 4.5 gph) up to 20-35 psi (10.5 gph to 13 gph). 5-1/4″ stake has steep angle threads to easily lock in tubing. Shut off side arm with ring and steps to hold it in soil. 36″ blue flexible vinyl supply tube and barb by barb adapter. NOTE: if you are operating at over 35 psi, we suggest using the pressure compensating control adapter sold separately (MJTB). Ship wt 2 lb. **Sold in bundles of 25.**

NPS36 $42.93 3+ $41.56 6+ $40.70

MAXIJET IRRIGATION LANDSCAPE STAKE ASSEMBLY, WITH 3-IN-1 SWAP-TOP HEAD

Offers a unique mister valve for maximum spray pattern adjustment! Spray diameter varies from 3′ to 4′ depending on water pressure and nozzle used. Does not include a shut-off, but it can be shut off by crimping supply tube and placing it in the Stop Ring. Flow Control #MJ12 is available, purchased separately.

MLA36-200 200 ct.
$3.88 3+ $3.76 6+ $3.68



MAXIJET IRRIGATION AG STAKE- Waters where they need it most — at the root zone. For today's high density plantings, the MAX-14 fill-in jet delivers a uniform filled-in pattern with maximum efficiency. Durable one-piece jet with a winged one-arm design and quick locking threads to get the jet in and out of the stake in 1-2 turns. Jets can be turned upside down to reduce the diameter of the spray pattern for young trees' smaller root zones. 12 ft diameter spray pattern at 20-30 psi, 12 gph. (If you are operating at 35 psi or more we suggest using a pressure compensating control adapter, sold separately, product number 105.) 13" stake with 36" blue flexible vinyl supply tube with barb.

MAX36-150 150 ct.
$3.05 3+ $2.95 6+ $2.89

MAXIJET MICRO DISTRIBUTION IRRIGATION TUBING SHUTOFF, BARB X BARB

Shut off barb for vinyl supply tube! Allows you to control the size of the spray pattern or to shut the water flow off all together.
.160 Barb x .160 Barb

MJ12 $1.16

TOUGH & DEPENDABLE FOR DEMANDING MICRO-IRRIGATION APPLICATIONS!

TORO MICRO DISTRIBUTION IRRIGATION TUBING, 3MM ID, 1000'

Micro Irrigation Distribution Tubing allows growers flexibility in emitter placement and easily fits on emission devices or barbed fittings to move water to a drip emitter or slipped or the NGE male emitter connection as an exit tubing. Can be used for submain or dripline/tape connections, as well as micro sprinkler, sprayer and emitter connections. Enhanced flexibility makes for easy installment and roll-out with great burst strength and environmental stress crack resistance. Color is white with Toro's blue stipe. Tubing is sold per coil.

PT13-1000	**$82.92**

PCE-5

PCE-1

PCE-2

NGE ADVANCED GENERATION EMITTERS: PRESSURE COMPENSATING

Snap in installation. Pressure compensating for a constant discharge between 8-60 psi. One of the best performing pressure-compensating emitters available. Unique design uses a diaphragm, which allows the emitter to self-flush and inhibits back siphoning. Will not drain below 2-3 psi, preventing complete drainage, reducing start-up time and improving uniformity. Barbed inlet for installation directly into tubing or 1/4" feeder line. Male adapter design also can be used with 1/4" micro tubing and acts as a bug shield, deterring the entry of insects. Black. **Sold in bags of 100.**

Item	Flow Rate	Ship wt	Price
PCE-5	.5 gph	4 lb	**$22.82**
PCE-1	1 gph	4 lb	**$25.34**
PCE-2	2 gph	4 lb	**$22.89**

BLUE STRIPE SOLID TUBING

Toro Ag Irrigation Blue Stripe Round Hose is manufactured from premium grade linear low-density polyethylene resins, for tough dependable operation in agriculture and landscaping micro-irrigation applications. The 5/8" tubing is black with Toro's blue quality stripe. We offer Lock-Eze fittings for easy connection. Standard barb/clamp fittings can also be used. Priced per coil.

PT-580	100' coil	Ship wt 5 lb
$39.14	**3+ $37.89**	**6+ $37.10**
PT-585	500' coil	Ship wt 22 lb
$105.47	**3+ $103.98**	**6+ $103.04**

SENNINGER® LOW FLOW PRESSURE REGULATOR

Senninger® Low Flow Pressure Regulators connect to any standard watering hose thread fittings. These regulators have zero external metal parts to maximize corrosion resistance. These Low Flow regulators control the pressure within your drip irrigation system. You can install them above or below ground.

98628	**$14.63**	**3+ $14.40**	**6+ $14.25**

Max Coverage

Lower Flow

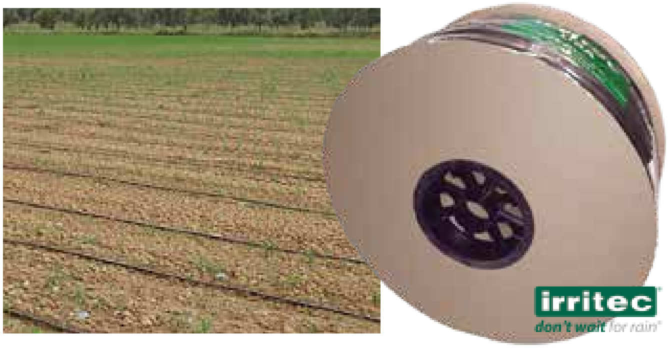
Overhead

WOBBLE HEAD SPRINKLERS

Maximize your watering! Wobbler heads provide extremely uniform coverage, even at lower pressures. Unique off-center rotary action is counterbalanced to be smooth and stable. Very low evaporative loss. Engineering-grade thermoplastic with no metal parts for corrosion resistance. NPT male connections. Choose the application that's right for you! Ship wt .5 lb. **Made in the USA.**

SMALL, SIMPLE DESIGN, LOTS OF COVERAGE!

Application	Item #	Connection	Nozzle	Spray Dia @ psi	Price
Max coverage:	**XC10-12**	1/2" standard	5/32"	44.5' - 53.5' @ 1.5' above crop	**$13.04**
10-25 psi	**XC10-34**	3/4" standard	5/32"	44.5' - 53.5' @ 1.5' above crop	**$14.45**
Lower flow:	**MW6**	1/2" low-flow	3/32"	33.0' - 37.5' @ 1.5' above crop	**$7.04**
15-35 psi	**MW8**	1/2" standard	1/8"	35.5' - 40.0' @ 1.5' above crop	**$7.04**
Overhead:	**IW6**	1/2" low-flow	3/32"	31.0' - 32.0' @ 3.0' above crop	**$7.04**
20-35 psi	**IW8**	1/2" standard	1/8"	31.5' - 33.0' @ 3.0' above crop	**$8.34**



IRRITEC P1 LIGHT 8-MIL DRIPLINE, 1,000'

Irritec P1 Light Dripline features a flat dripper for more uniform watering. This line measures 1,000' in length and has an inner diameter of 5/8". An internal flap system allows for use in sub-irrigation. This line offers an output of 11.60 psi or 1/4 gallon per hour at 12". This Irritec line is ideal for spacings of 20 cm or more. The flat dripper guarantees reduced localized load loss. This line offers uniform watering throughout the entire line, allowing for longer branches. When buried in the soil, a protected flow system prevents problems caused by the aspiration of mud and detritus. This protection also reduces the risk of root intrusion.

98601 $79.73 3+ $78.28 6+ $77.37

IRRITEC PE TUBING, 100'

Irritec engineers its PE Tubing to stand up to many common hazards. This line measures 0.83" x 0.94" in diameter. Each roll contains 100' of line. Irritec PE Line is suited for use in vineyard, orchard, greenhouse, and nursery applications. This durable line handles harsh chemicals, UV rays, and equipment-related damage with ease.

98602 $14.69

SPEED RISER CUTTER

This Speed Riser Cutter features a spring-loaded handle for easy cutting. Its stainless-steel blades remain sharp through multiple jobs. An ergonomic grip keeps your hand comfortable during use. Use this tool to make clean and straight cuts in your PE tubing. For best results, place the tubing in the cradle. Close the handles and rotate up and down while squeezing the handles.

98629 $15.39 3+ $15.15 6+ $14.99

IRRITEC EJECTOR STYLE HOLE PUNCH

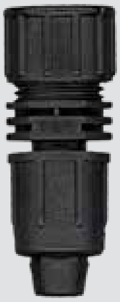
These Irritec Ejector Style Hole Punches feature a spring-loaded ejector lever. Each punch measures 3.6 millimeters. Use these punches to poke holes into your irrigation tubing. They are the perfect size for Irritec 250 Series Barb Fittings. To use, start by placing the tubing onto a stable surface. Place the punch cutting edge along the tubing and push. You may need to lightly twist the punch to cut through the tube. Once you create the hole, press the spring-loaded ejector lever to clear any debris from the punch tip opening

98622 $14.02 3+ $13.78 6+ $13.63

98603

98617

98618



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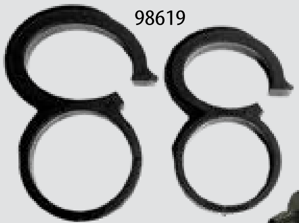

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IRRITEC FITTINGS AND FIGURE 6 END CLOSURES

Irritec designs its Perma-Loc irrigation fittings with reliability and versatility in mind. These fittings require no special tools for installation, and make creating your custom irrigation system easier than ever!

Item	Description	Price	3+	6+
98603	3/4" Coupler	**$60.44**	**$59.48**	**$58.89**
98617	Swivel Female Adapter	**$74.09**	**$72.92**	**$72.18**
98618	X Threaded End Cap	**$59.48**	**$58.54**	**$57.95**
98619	End Closure	**$7.80**	**$7.68**	**$7.60**
98620	Barb Tubing Adapter	**$14.13**	**$13.91**	**$13.77**
98621	Valved Barb Tubing Adapter	**$56.06**	**$55.19**	**$54.65**
98623	Tape Coupler	**$13.17**	**$12.96**	**$12.83**
98624	5/8" Drip Tape End Closure	**$6.33**	**$6.23**	**$6.17**
98626	3/4" Hose Thread T-Filter	**$9.33**	**$9.18**	**$9.09**
98627	Y-Filter	**$10.84**	**$10.65**	**$10.54**

EST. 1885
A.M. LEONARD
COMMERCIAL RUBBER HOSE
5/8" x 50 ft.
AC580

LEONARD COMMERCIAL DUTY RUBBER HOSE

Our premium rubber hose is built tough for the commercial user. EPDM material stays flexible in extreme conditions and is abrasion, heat, and ozone resistant. Commercial applications and conditions can vary dramatically, and so can the water source, so we've built in some added features to ensure a durable product. Temperature range of -40ºF to 180ºF. **5 year professional, or lifetime consumer warranty.** **Made in the USA.**

Item	Dia.	Length	Ship wt	Price
AC580	5/8"	50'	11 lb	**$67.45**
AC581	5/8"	100'	20 lb	**$124.04**
AC340	3/4"	50'	13 lb	**$87.93**
AC341	3/4"	100'	31 lb	**$154.38**

☆☆☆☆☆

"...We use this hose on our water truck. It has lasted longer than any hose we have had... Way to go! Finally a hose that will take the day to day abuse we give it."
– Cynthia from TN

https://youtu.be/EYPlyreWGxc

NEW BLACK RUBBER HOSE

MACHINED SOLID BRASS FITTINGS!

NEW

PREMIUM EPDM RUBBER HOSE

This premium rubber hose is built for heavy duty use. EPDM material remains flexible in extreme conditions and is abrasion, heat and ozone resistant. This hose has a 200 psi operating pressure strength and an 800 psi burst strength allowing this hose to be very adaptable to varying water sources. Solid brass couplings add durability. Available in 50' and 100' lengths. **Made in the USA.**

ACR340-B	3/4" x 50'	**$98.90**	**3+ $97.38**	**6+ $96.44**
ACR341-B	3/4" x 100'	**$171.85**	**3+ $169.38**	**6+ $167.84**

1" HOSE DELIVERS OVER DOUBLE THE VOLUME OF WATER AS A 5/8" HOSE

ALUMINUM 3/4" COUPLERS

SPUN YARN JACKET WITH PERMATEK HP™ TREATMENT FOR SUPERIOR ABRASION RESISTANCE

LEONARD LAY FLAT SUPPLY HOSE

After years of research, AML is proud to present it's own 1" Lay Flat Hose with standard 3/4" Garden Hose Thread couplers. Engineered like hoses that endure the rigors of wildland fire fighting providing the ultimate in heat, abrasion and puncture resistance. Designed as a supply hose for larger sprinklers or filling tanks,or the discharge side of pumps, etc., this hose moves a lot of water fast. Easy to roll up and store, lightweight for easy transportation.

Item	Length	Ship wt	Price	3+	6+
ALFH-50	50'	5 lb	**$116.56**	**$114.18**	**$112.70**
ALFH-75	75'	7.5 lb	**$159.09**	**$155.93**	**$153.96**
ALFH-100	100'	10 lb	**$199.18**	**$195.31**	**$192.89**

GALLONS / LITERS PER MINUTES OF WATER HOSES OF DIFFERENT SIZES.

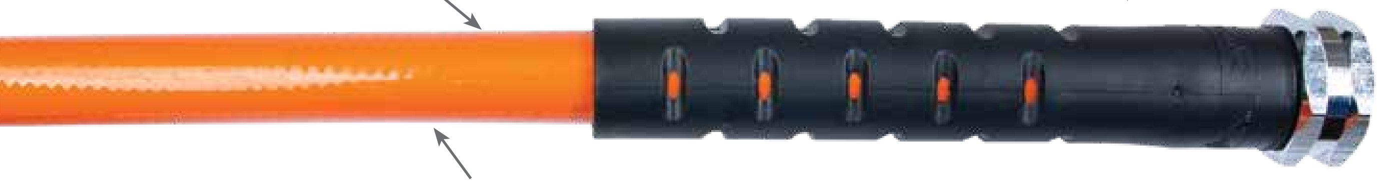
					Volume of Water Supplied		Relative %
Inner Dia.	Length	Inlet Pressure	Time	Fittings	Liters	Gallons	
5/8"	100'	65 psi	1 min	3/4" GHT	45.2	11.9	48.4
3/4"	100'	65 psi	1 min	3/4" GHT	64.8	17.1	69.4
1"	100'	65 psi	1 min	3/4" GHT	93.4	24.7	100

SAME STRENGTH, LESS MATERIAL, MAKING FOR A LIGHTER-WEIGHT HOSE.

CHROME PLATED, LEAD-FREE,
PRECISION BRASS COUPLINGS
WITH NO-LEAK GASKET

CRUSH RESISTANT COUPLING WITH HOSE
PROTECTOR AT EACH END

EST.1885
A.M. LEONARD
HORTICULTURAL TOOL & SUPPLY CO.
5/8" DIA.
COMMERCIAL POLYURETHANE WATER HOSE
AMLEO.COM | 800-543-8955
MADE IN USA



TOUGH CONSTRUCTION YET
UP TO 50% LESS WEIGHT
THAN OTHER 5/8" HOSES.

MOLDED STRAIN RELIEF
AT EACH END OF HOSE

450 PSI BURST
STRENGTH

STRONG CRUSH-RESISTANT
MACHINED COUPLERS

LEONARD POLYURETHANE HOSES

Leonard polyurethane hose is constructed from a premium, high performance, polyurethane allowing use of less material while providing similar strengths of PVC and Rubber hoses. The hose is significantly lighter than most PVC and Rubber Hoses so it's much easier to carry and use. The polyurethane hose is safe to drink from and is 100% free from toxic chemicals such as lead, BPA and phthalates. Engineered strain reliefs at each end of the hose prevents kinks and reduces failures at coupler areas. The fittings are machined lead-free brass with chrome plating. All season performance with operating temperatures from -40° to 120° F. Only 12 lb per 100'! 450psi burst with 150psi operating pressure rating. **Prop 65 compliant.** **Made in the USA.**

Item	Length	Ship wt	Price	3+	6+
5850P	50'	6 lb	**$83.49**	**$81.98**	**$81.04**
5875P	75'	8 lb	**$126.39**	**$124.06**	**$122.61**
58100P	100'	12 lb	**$163.51**	**$160.51**	**$158.64**

NEW DRAMM COLORSTORM PROFESSIONAL RUBBER HOSE

Durable, flexible and visible! The Dramm ColorStorm Professional Rubber Hose is made from EPDM rubber for a "crackles" hose cover that is resistant to abrasion and weathering. A reinforced hexagonal shape reduces kinking and allows the user to pull free kinks that may occur easier. The Sure-Grip™ cover provides a softer surface for a comfortable grip. Crush-proof, nickel plated, brass fittings for an exact fit that will survive years of use. Bright yellow coloring of the hose calls attention to the hose laying on the ground to prevent trips and easily find. Available in 5/8" and ¾" diameters in 50' and 100' lengths.

ColorStorm Premium Rubber Hose
DRAMM

Item	Dia.	Length	Ship wt	Price	3+	6+
CS580	5/8"	50'	10 lb	**$77.89**	**$76.47**	**$75.58**
CS581	5/8"	100'	20 lb	**$144.78**	**$142.17**	**$140.54**
CS340	3/4"	50'	14 lb	**$117.83**	**$115.18**	**$113.53**
CS341	3/4"	100'	24 lb	**$192.39**	**$188.07**	**$185.37**

DRAMM

VIPER PREMIUM RUBBER HOSE- The Viper Premium hose is one of the toughest hoses on the market. The premium rubber garden hose features an industry leading 600 PSI burst strength with a wide inside diameter to withstand a large volume of water flow. Made from a dual-weave construction, giving it twice the strength of standard rubber hoses and 40% lighter for easy manageability. The Viper hose remains flexible from -40˚F to 165˚F. Optimal kink resistance and made from a unique octagonal shape.

Item	Dia.	Length	Ship wt	Price	3+	6+
CELV58-50	5/8"	50'	7.5 lb	**$61.92**	**$60.73**	**$59.99**
CELV58-100	5/8"	100'	15.5 lb	**$120.84**	**$118.47**	**$116.99**
CELV34-50	3/4"	50'	8.63 lb	**$89.84**	**$88.46**	**$87.60**
CELV34-100	3/4"	100'	17.25 lb	**$154.59**	**$152.15**	**$150.63**

TEKNOR APEX

NEXFLEX 5/8" HOSE

The NexFlex hose provides easy handling to lighten your workload. The hose is up to 20% lighter in weight compared to a heavy duty vinyl hose. The custom formulation provides superior flexibility that makes the hose easy to handle and maneuver. The extra reinforcement provides best in class anti-kink technology. High visibility color prevents tripping. Ergo-grip design on each hose end makes it easy to connect to faucets and hose attachments. **Made in the USA.**

TEKNOR APEX
NEXFLEX
50 FT.
5/8 IN.

NEXFLEX-50	50'	Ship wt 7.5 lb	**$51.18**	**3+ $50.51**	**6+ $50.09**
NEXFLEX-100	100'	Ship wt 14 lb	**$99.90**	**3+ $97.80**	**6+ $96.49**

TEKNOR APEX

NEVERKINK COMMERCIAL DUTY SELF STRAIGHTENING HOSE

Choose between these superior 5/8" and 3/4" commercial duty pro hoses. This is Apex quality and dependability with a lifetime warranty, the last hose you will ever buy! Patented reflex mesh technology, knitted material in construction that keeps hose from twisting, kinking and tangling. Stays flexible down to 45° F. Power coil collar prevents kinks and wear at the coupling. Crush-resistant hard anodized aluminum fittings and hose construction means these hoses are Prop 65 compliant! **Made in the USA.**

FARM & RANCH
TEKNOR APEX
NEVERKINK XP
WITH KINK-RESISTANT TECHNOLOGY
50ft
COMMERCIAL
TEKNOR APEX
NEVERKINK PRO
WITH KINK-RESISTANT TECHNOLOGY
50ft

Commercial, 5/8"

8844-50	50'	**$54.82**	**3+ $53.26**	**6+ $52.28**
8844-75	75'	**$79.24**	**3+ $76.74**	**6+ $75.18**
8844-100	100'	**$94.50**	**3+ $91.90**	**6+ $90.28**

Farm & Ranch, 3/4"

9844-50	50'	**$65.25**	**3+ $63.88**	**6+ $63.02**
9844-100	100'	**$128.83**	**3+ $125.60**	**6+ $123.58**

FITT FORCE™ PRO COMMERCIAL-GRADE LAY FLAT HOSE, 3/4-INCH DIAMETER, 100-FOOT LENGTH

Ultra-lightweight, extremely flexible, and built to last! This FITT Force„ Pro Commercial-Grade Lay Flat Hose offers the perfect combination of technology and performance. This 3/4-inch diameter hose measures 100 feet in length. It features FITT's innovative No Torsion System (NTS) chain mesh reinforcement as well as its HD-Tech cover. This cover utilizes Santoprene„, a thermoplastic elastomer (TPE). FITT outfits this hose with 3/4-inch anodized aluminum couplings. It includes a convenient hose caddy.

FFP53400	3/4" x 100'	**$102.56**	**3+ $99.95**	**6+ $98.32**
FFP59006	3/4" x 100'	**$57.74**	**3+ $56.13**	**6+ $55.13**

EASILY GET WATER WHERE YOU NEED IT

COVERS UP TO 3 ACRES!

FREE STANDING SWIVEL REEL

The unique patented swiveling turret design can rotate 360° and hold **up to 200′** of 5/8″ hose, making it capable of delivering water anywhere within a total coverage area of over 3 acres! Great design with plenty of capacity, and built for heavy duty use. All steel with anti-rust finish. Install in hole at least 8″ deep and add quick setting concrete for best results. Ship wt 18 lb.

SR360 $198.85

COMMERCIAL GRADE HOSE REEL WALL MOUNT

Holds 200′ of 5/8″ hose. Heavy 13 gauge steel tubing and mounting frame for strength. Brass and galvanized plumbing. 5′ inlet hose included. 4 hole mount. Durable tan powder-coat finish. Non-skid rubber feet provided for use as a portable floor unit. Ship wt 21 lb.

WM703 $204.94 3+ $198.70 6+ $194.79

2 WHEEL EZ HOSE TRUCK

Nickel plated steel inside and out for superior durability. **Holds up to 200′** of 5/8″ hose. Single tube, all welded construction. Rugged all-terrain hose truck goes anywhere. Two durable pneumatic wheels. Anti-rust finish. Includes 5′ leader hose. Minimal assembly required. Manufacturer Limited Lifetime Guarantee. Ship wt 30 lb.

HT2EZ $267.59 3+ $259.03 6+ $253.68

270° SWIVEL REEL

Hose reel swivels as you move, keeping the reel spinning freely.

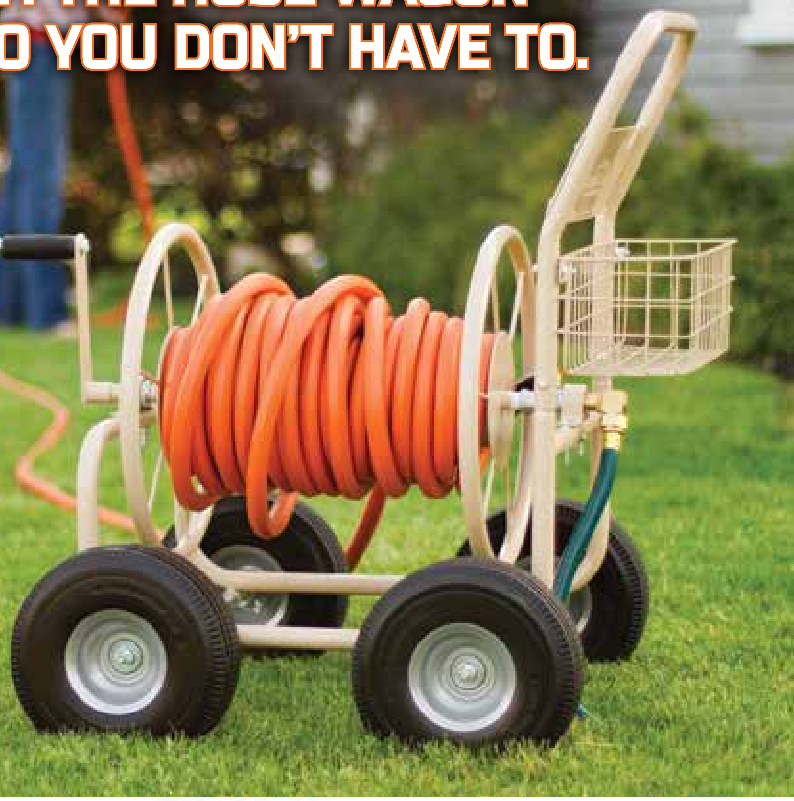
JACKSON SWIVEL HOSE REEL CART

Fit into tight spots with this ingenious hose cart. The entire reel portion of this cart swivels 270°, so you can travel down a narrow path and then pull hose straight forward if you like. The hose can be pulled out and reeled in parallel or perpendicular to the handle. Pneumatic tires handle tough terrain. Strong steel frame, with a reel that **holds 400′** of 5/8″ hose. Front feet with rubber anchors to prevent movement during use. 40″L x 25″W x 42″H. Manufacturer's **7 year warranty**. Ship wt 45 lb.

2517200 $342.62 3+ $334.51 6+ $329.44

300' OF HOSE IS HEAVY! THE HOSE WAGON CARRIES THAT LOAD SO YOU DON'T HAVE TO.

https://youtu.be/I5UY4Q-N1Yo



LEONARD PROFESSIONAL HOSE WAGON LOADED WITH FEATURES!

LIFETIME WARRANTY

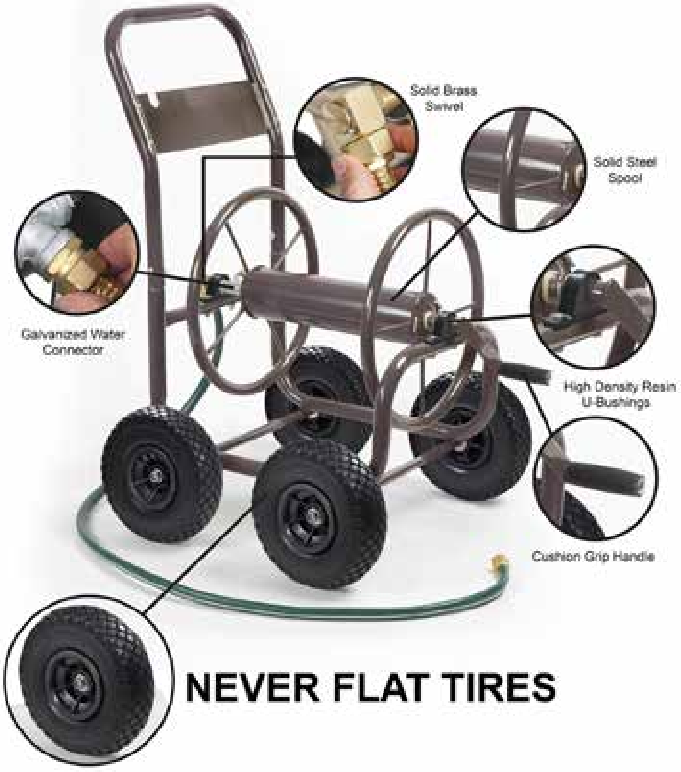
All the features of the national brands, for less! **Holds a full 300′ of 5/8″ hose.** Heavy 13 gauge steel frame for professional strength. Brass and galvanized plumbing for long life. Extra-long 8′ inlet hose. Wire basket to hold your nozzles and accessories. Full front and rear axles in tough welded housings. Ship wt 46 lb. **Hose not included.** **Lifetime Warranty.**

HW300	Pneumatic	**$261.48**	**3+ $255.81**	**6+ $252.26**
FHW300	Flat Free Tires	**$288.73**	**3+ $283.92**	**6+ $280.91**

LIBERTY 4-WHEELED HOSE REEL WAGON

An excellent substitute for our classic HW300! This Liberty hose wagon features a durable 13-gauge powder-coated steel frame. Liberty equips it with brass and galvanized plumbing and a 5′ leader hose. A built-in nozzle hanging notch keeps your hose within reach. Four 8″ pneumatic tires with galvanized rims finish off this fantastic product. The Liberty Hose Wagon holds up to 300′ of 5/8″ hose. Its low center of gravity prevents it from tipping over when fully loaded. This product is nearly identical to our HW300 yet costs $15.00 less. The only differences are the leader hose and the lack of a wire storage basket. Liberty built this wagon to last. The powder-coated steel frame and the brass and galvanized plumbing resist rust and corrosion. These features maximize the service life of the cart.

HW300S	**$265.74**	**3+ $258.13**	**6+ $253.37**



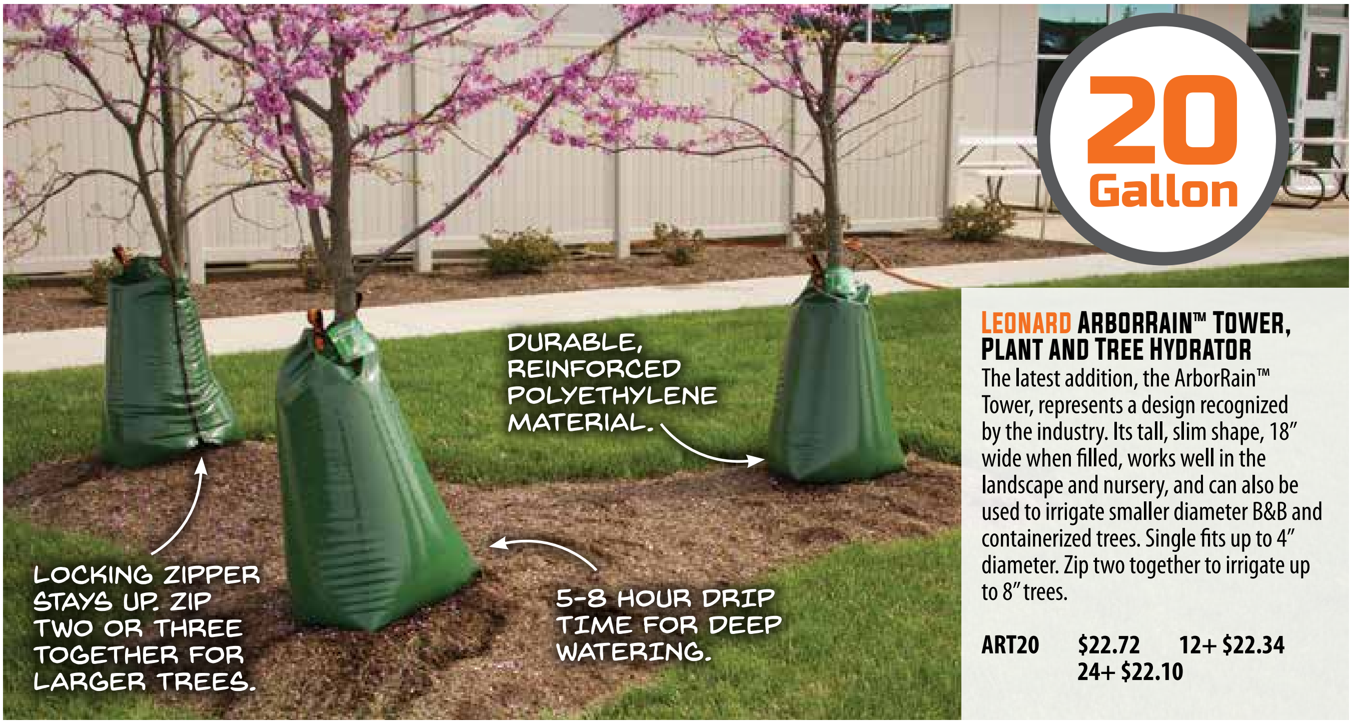
NEW LIBERTY GARDEN HOSE WAGON WITH FLAT FREE TIRES, 250FT CAPACITY

The popular Liberty Model 840 Four Wheel Hose Reel Cart features a lightweight, steel frame set on four solid, flat free tires. Designed for home, farm and commercial uses. Protected with a weather resistant powder coat finish. Featires: 250′ of 5/8″ hose capacity. 13 gauge steel construction. 5ft. leader hose. All Brass/Galvanized fixtures. 90° Swivel Connector. 10″ Flat Free Wheels. Durable Powder Coated Finish. Low Center of Gravity Prevents Tipping.

HW250FF	**$196.42**	**3+ $191.67**	**6+ $188.70**

A.M. Leonard's ARBORRAIN TOWER™

HYDRATOR FOR TREES AND PLANTS


20
Gallon
DURABLE, REINFORCED POLYETHYLENE MATERIAL.
LOCKING ZIPPER STAYS UP. ZIP TWO OR THREE TOGETHER FOR LARGER TREES.
5-8 HOUR DRIP TIME FOR DEEP WATERING.

LEONARD ARBORRAIN™ TOWER, PLANT AND TREE HYDRATOR

The latest addition, the ArborRain™ Tower, represents a design recognized by the industry. Its tall, slim shape, 18" wide when filled, works well in the landscape and nursery, and can also be used to irrigate smaller diameter B&B and containerized trees. Single fits up to 4" diameter. Zip two together to irrigate up to 8" trees.

ART20	**$22.72**	**12+ $22.34**
	24+ $22.10	

COMMERCIAL, RESIDENTIAL, MUNICIPAL

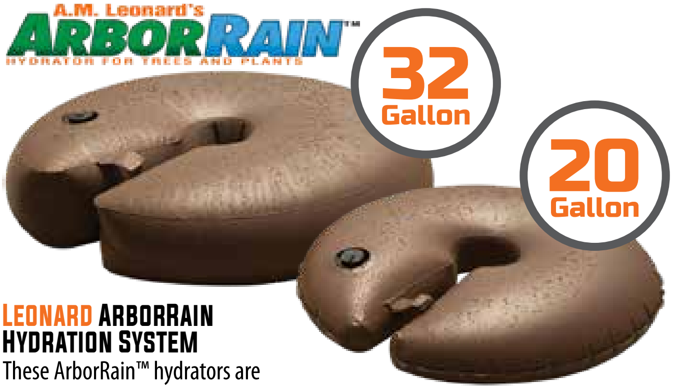
TRUSTED BY LANDSCAPERS, GROWERS AND HOMEOWNERS TO DEEP WATER RIGHT TO THE ROOTS.

BLACK LINER INSIDE TO BLOCK MOLD AND ALGAE ENABLING SUNLIGHT.

DRAIN HOLES LOCATED TO PREVENT SOIL BLOCKS.

STRONG, TRIPLE STITCHED LIFT STRAPS.
COVERED FILL PORT TO KEEP UNWANTED DEBRIS AND INSECTS OUT.

A.M. Leonard's ARBORRAIN™
HYDRATOR FOR TREES AND PLANTS



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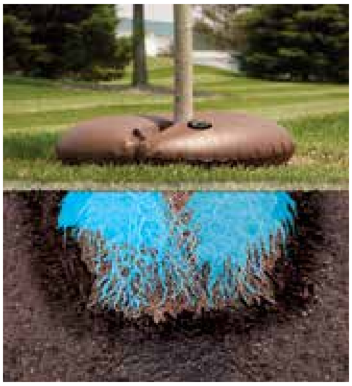
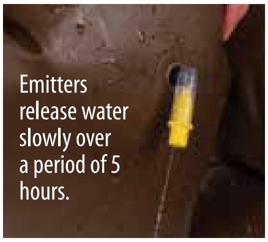
LEONARD ARBORRAIN HYDRATION SYSTEM

These ArborRain™ hydrators are designed with a low profile to blend in better with the natural surroundings, and the dark brown color dramatically reduces its visibility when used along with dark hardwood mulches. The short design allows for irrigation to low limbed and multi-trunk trees and shrubs. Multiple hydrators can be placed around the drip line of large established trees to alleviate stress from drought or new construction. Fits up to 6" diameter. Filled system diameters AR20=34", AR32=40". Ship wt 3 lb.

AR20	20 Gallon	**$28.49**	**12+ $27.58**	**24+ $27.01**
AR32	32 Gallon	**$38.98**	**12+ $37.73**	**24+ $36.95**



Works great for tomatoes!


Emitters release water slowly over a period of 5 hours.

- **Can be used in all sorts of beds, gardens**
- **Low profile, can be used in all landscapes**
- **Excellent for establishing new shrubs, trees and perennials**
- **Slow water release provides deeper root development**

A.M. Leonard's ARBORRAIN MINI™
HYDRATOR FOR YOUNG TREES AND PLANTS

LEONARD ARBORRAIN MINI™ HYDRATOR

Two emitters provide even water coverage. Slow 5 hour release rate means good, thorough watering. Prevents evaporation and provides weed prevention. Some uses: tree saplings, perennials, vegetable and container gardening. For container gardening, fits most 7 gallon and larger pots or grow bags. 18.5" diameter. Threaded filler cap. 2.5 gallon capacity.

AR02	**$11.67**	**12+ $11.35**	**24+ $11.15**

DEW RIGHT
SLOW RELEASE
TREE WATERING DONUT
PRODUCT FEATURES:
DeWitt

NEW DEW RIGHT TREE WATERING DONUT

Designed to provide a drip irrigation system directly to tree and shrub roots over an extended period of time. Take the stress out of planting new trees with our slow release Tree Watering Donut. Designed to ensure that your new trees will survive their crucial first year after being planted. It eliminates the severe water stress new trees endure after transplanting by delivering a high volume of water directly to their root system.

TWD15	**$21.45**	**3+ $20.89**	**6+ $20.53**

RECHARGING RAIN MATS THAT HOLD WATER UNTIL YOUR PLANTS NEED IT!

CONTAINER GARDEN SELF-WATERING MAT TWIN PACK

The TreeDiaper® container garden self-watering mats are the perfect solution for maintenance free gardening. The 10" mat works well with 1-3 gallon containers, and the 14" works well with 2-7 gallon containers. Simply soak the mat in water for 5 hours, or over night. Then, place it around your plants. It will slowly be released as your plants need water. The watering mats contain water absorbing pellets that automatically "re-charge" themselves from rain or irrigation water if left outdoors. If using indoors, re-charge your water mats whenever you see that the mat has emptied. These mats also prevent weeds from growing around your precious plants and protect your soil from being washed away.

TreeDiaper®

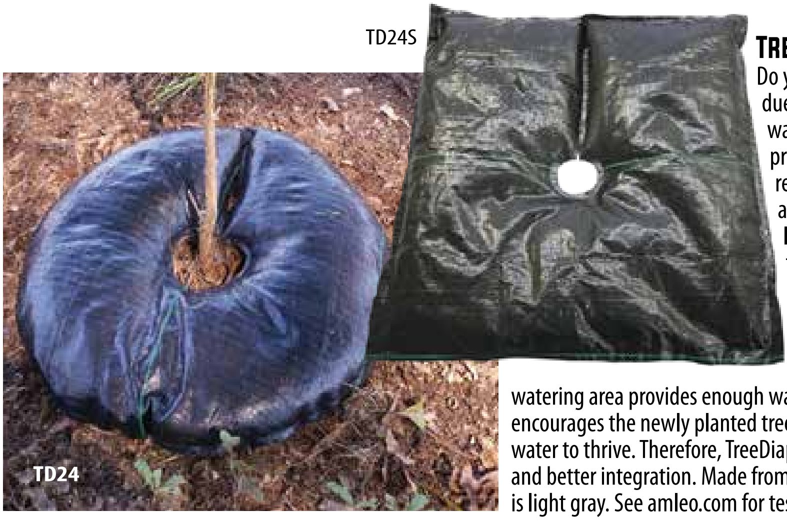
TD210	10" dia.	Ship wt .2 lb	**$19.00**		
TD14	14" dia.	Ship wt .3 lb	**$22.99**	**3+ $22.65**	**6+ $22.44**

IRRIGATION AND PROTECTION IN ONE PACKAGE!

- Weed control
- Root protection
- Slow-releasing irrigation
- Automatic recharging rain/irrigation water
- Soil erosion protection

☆☆☆☆☆

> "I love these tree diapers. They make it effortless to get new trees exactly the amount of water they need to transplant well and thrive. Easy to install. Effortless to maintain. I highly recommend them."
> – Denise from MN



TREEDIAPER™ TREEMAT

Do you plant trees every year? Has your investment in trees been lost due to drought or extreme temperatures? Do you have difficulties in watering your trees on a regular basis? Take advantage of natural precipitation (rain and snow) by using a TreeDiaper™ treemat to reduce your dependence on manual watering. TreeDiaper™ is an advanced plant hydration system different from watering bags. It is the first and only landscaping irrigation product to combine the functions of slow release irrigation, automatic recharging with natural precipitation, weed control, and protection against extreme weather conditions (winter and summer) into one low-cost package. The super slow release (in terms of weeks for TreeDiaper™ compared to hours for watering bags) and large watering area provides enough water for the trees and shrubs to survive and more importantly, encourages the newly planted trees and shrubs to grow roots into surrounding environment to seek water to thrive. Therefore, TreeDiaper™ is a plant protection system that promotes healthy growth and better integration. Made from plastic fabrics and super absorbent polymer. Top is black, bottom is light gray. See amleo.com for testimonials, pictures, and instructions.

Item	Dia.	Shape	Features	Product Weight	Plant Caliper	Capacity	Price	5+	10+
TD24	24″	Round	One center-hole	.5 lb	Up to 1.5″	7 gal	**$29.31**	**$28.59**	**$28.13**
TD24S	24″	Square	One center-hole	.5 lb	Up to 1.5″	7 gal	**$26.93**	**$26.60**	**$26.39**
TD36	36″	Round	Two half-rings with ears	1 lb	Up to 3″	15 gal	**$44.94**	**$44.13**	**$43.63**
TD48	48″	Round	Four pieces to assemble ring	2 lb	3″ or larger	30 gal	**$73.67**	**$72.41**	**$71.63**

BUY IN BULK & SAVE!

TREEDIAPER LANDSCAPER PACK

All the same great features, only now available in bulk. Save money, buy in bulk!

Item	Dia.	Shape	Count	Ship wt	Price	5+	10+
TD24-24	24″	Round	24 Pack	10.5 lb	**$625.45**	**$615.64**	**$609.50**
TD24S-24	24″	Square	24 Pack	10.5 lb	**$579.20**	–	–
TD36-12	36″	Round	12 Pack	10.5 lb.	**$498.45**	**$489.54**	**$483.98**
TD48-6	48″	Round	6 Pack	10.5 lb.	**$426.25**	**$418.73**	**$414.03**

WATER YOUR TREES AND SHRUBS THE EASY WAY!

6' TREE RING SOAKER HOSE

Water your trees and shrubs the easy way with the Tree Ring Soaker Hose. Connect the hose around individual trees and shrubs for perfect irrigation. Provides moisture directly to the roots where they need it most while reducing water usage up to 70%. Installs above or below ground, or cover with mulch to make it practically invisible. Ship wt .5 lb.

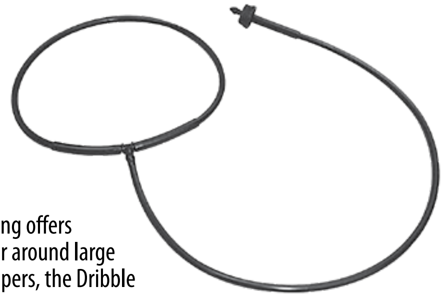
SR6 $13.84 3+ $13.40 6+ $13.12

DRIP TREE RINGS

Add BioPlex Stress Stopper to your drip ring to boost survival rates! These tree rings offer targeted delivery, much more effective than sprinklers. Deep soil penetration facilitates 90% moisture absorption. Use season after season — HDPE/UV treated for a life expectancy of 3-10 years. Black. In two sizes, sold individually.

10 gallon. 2-3 hour drip time. 8" tall. For trees with 4" max dia. Ship wt 3 lb
TRJ10 $47.07 5+ $45.75 10+ $44.93

25 gallon. 3-4 hour drip time. 10" tall. For trees with 10" max dia. Ship wt 6 lb.
TRR25 $80.76 5+ $78.67 10+ $77.36



NEW

DRAMM PRESSURE COMPENSATED DRIBBLE RING, 10" DIAMETER

The Dramm Pressure Compensated Dribble Ring offers accuracy with even watering, spreading water around large containers. Unlike weighted or stake end drippers, the Dribble Ring uses a removable ring to distribute the water throughout the pot. The ring separates at the "T" to allow for easy installation and removal. Utilizing a larger body design PCAS emitters for accuracy and a reduction in clogging with a controlled output from 15-50 psi. Great for nursery stock, B&B stock and larger containers.

DR10-48 $35.63 5+ $35.01 10+ $34.62

A MORE EFFICIENT WAY TO WATER!

USE 70% LESS WATER WITH SOAKER HOSES!

CONNECT HOSES UP TO 600'

1" PROFESSIONAL SOAKER HOSE

Professional grade soaker hose with a 1" outside diameter and a 0.21" wall thickness. Thicker walls for better performance while running at longer lengths. Great for watering large areas more evenly. Typically irrigates 16" wide strip, depending on soil type. Get even coverage while running several hundred feet continuously. Brass fittings and end cap included.

OS100	100′	Ship wt 19 lb
$106.10	**3+ $102.70**	**6+ $100.58**
OS250	250′	Ship wt 46 lb
$231.75	**3+ $224.33**	**6+ $219.70**

5/8" PROFESSIONAL SOAKER HOSE

A great all-around hose. It has 5/8" outside diameter and 1/2" inside diameter. This hose works for individual runs up to 200′. The double thick side wall allows more even water distribution: 50′ has nickel-plated hose ends, but the 250′ is standard with no ends. The Pro Series is kink and crush resistant and will not freeze. We recommend that you either cover the hose with mulch or bury it up to 6" deep for longest life. End cap included.

Coupled hose

GW50	50'	Ship wt 8 lb	**$32.89**	**3+ $31.90**	**6+ $31.28**

Bulk hose (Fittings not included)

GW250	250'	Ship wt 36 lb	**$117.33**	**3+ $113.72**	**6+ $111.46**

GW SERIES SOAKER HOSE COUPLINGS

Couplers for our GW50 and GW250 5/8" Professional Soaker Hoses. Use to repair or when cutting hose for a custom fit! Simple to install with a phillips screwdriver. Also fits standard 1/2" garden hoses. Male coupling fits our N800 End Cap, using Washers 15RW. Ship wt .5 lb.

Item	Description	Price	3+	6+
MHC	Male	**$2.24**	**$2.18**	**$2.14**
FHC	Female	**$3.07**	**$2.97**	**$2.91**
RHC	Mender	**$3.04**	**$2.95**	**$2.89**

MHC

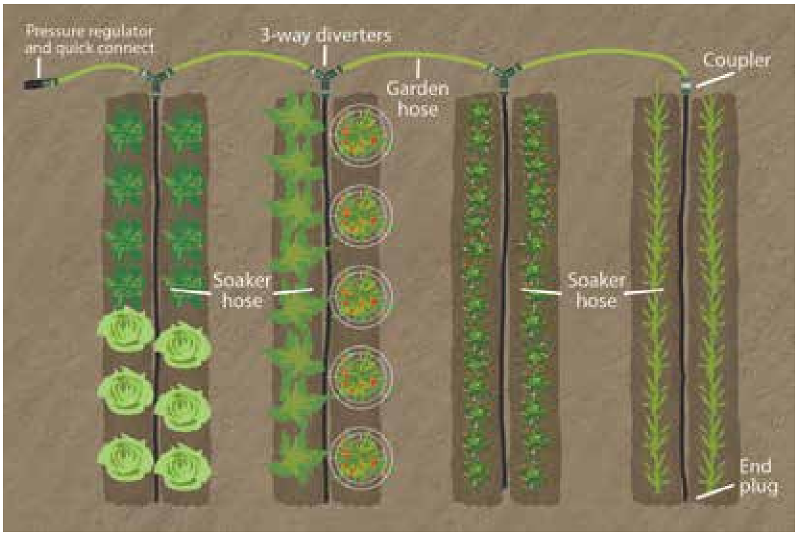
FHC

RHC

FITS OUR GW50 AND GW250 SOAKER HOSES

EASY SET UP | CUSTOMIZABLE | EFFICIENT WATERING

Keeping plants properly watered can be a time-consuming task, especially when there is a shortage of rain. With our Exclusive Simple Soak™ Garden Watering Kits, you can create a custom watering system that provides the deep root watering your plants need. To set up, simply cut the soaker hose to fit where you want to water, and cut the garden hose to fit areas you don't want to water. Connect the pieces together using the included fittings to create the watering layout that best fits your garden. It's that easy!



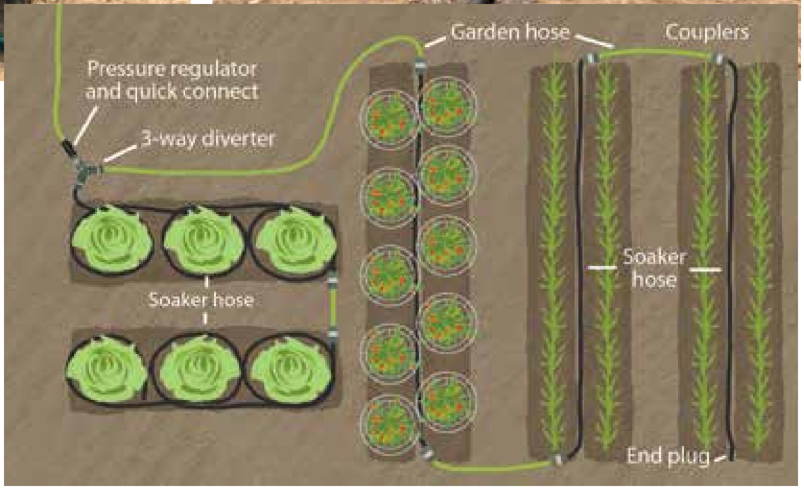
SIMPLE SOAK™ GARDEN ROW WATERING KIT

If you're tired of spending hours watering your vegetable garden rows by hand, this is the kit for you. Designed for row watering, it includes everything you need to set up and evenly distribute water up to four rows, totalling 100 linear feet. Ship wt 11 lb.

SRK100 $58.97 3+ $57.08 6+ $55.90

Row Kit Includes:

- (100') 1/2" rubber soaker hose
- (25') 1/2" garden hose
- (1) 15psi pressure regulator
- (1) Spigot quick adapter
- (3) 3-way diverters with quick connectors
- (4) End plugs with clamps
- (1) Coupler for final row



SIMPLE SOAK™ GARDEN ZONE WATERING KIT

Spend a little time now and save a whole lot this season when you install a time saving Simple Soak™ Garden Zone Kit. Excellent for both vegetable gardens and landscape plantings. This kit includes the supplies you need to create a single-zoned linear layout or a double-zoned linear design. For larger plants, loop the soaker hose around the plant at the drip line, where the water runs off the leaves. For areas that have rows of plantings, run the soaker hose beside the plants. For those areas not requiring water, splice in the garden hose. Water up to 100 linear feet!

SZK100 $97.95 3+ $94.87 6+ $92.94

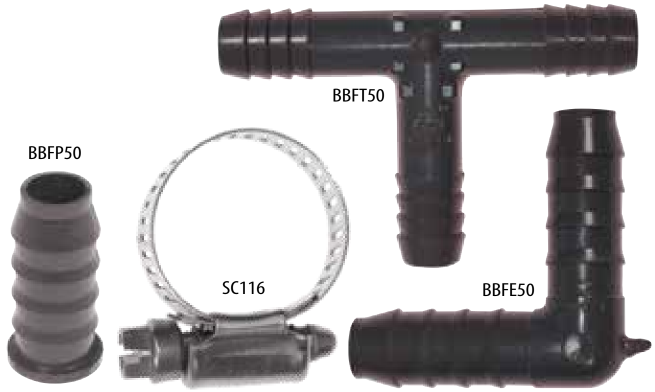
Zone Kit Includes:

- (100') 1/2" rubber soaker hose
- (65') 1/2" garden hose
- (1) 15psi pressure regulator
- (1) spigot quick adaptor
- (1) three-way diverters with quick connectors
- (2) end plugs with clamps
- (24) connecting couplers

MELNOR FLAT SOAKER HOSE

A soaker hose is a great way to Be Water Wise™. By slowly soaking only the areas you need, plants grow strong and lush with minimal runoff. These flat soaker hoses are easier to use than standard hoses which are hard to curve and even harder to store without kinking. The flat design rolls or folds up tight to store in a small space and is available in three lengths; 25′, 50′ and 75′.

Item	Length	Ship wt	Price	3+
FSH-25	25′	1 lb	**$14.58**	**$14.25**
FSH-50	50′	2 lb	**$22.80**	**$22.26**
FSH-75	75′	3 lb	**$30.29**	**$29.57**



BARB FITTINGS 1/2"

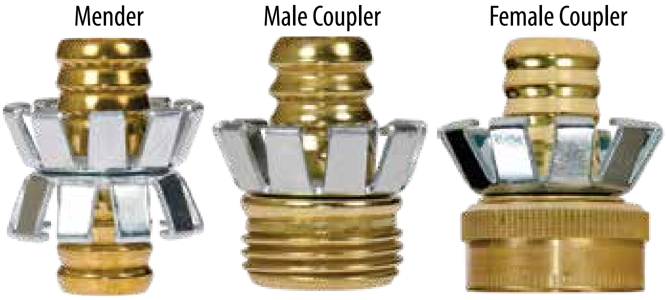
Outside barb measures slightly larger than 1/2″ to connect to inside of 5/8″ soaker, 1″ soaker, and 5/8″ poly tubing. Ship wt .5 lb.

Item	Description	Price
BBFT50	Barb x Barb Tee	**$6.06**
BBFE50	Barb x Barb Elbow	**$3.91**
BBFP50	Barb x Barb Plug	**$6.06**
SC116	Stainless Steel Clamp 9/16″ to 1-1/16″	**$5.09**

GW SERIES SOAKER HOSE COUPLINGS

Couplers for our GW50 and GW250 5/8″ Professional Soaker Hoses. Use to repair or when cutting hose for a custom fit! Simple to install with a phillips screwdriver. Also fits standard 1/2″ garden hoses. Male coupling fits our N800 End Cap, using Washers 15RW. Ship wt .5 lb.

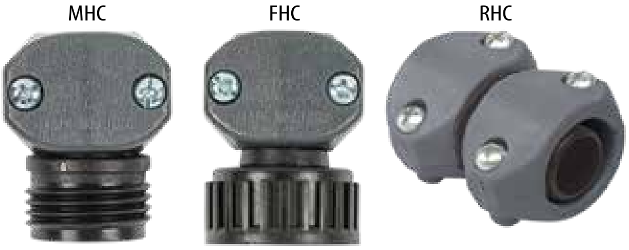
Item	Description	Price	3+	6+
MHC	Male	**$2.24**	**$2.18**	**$2.14**
FHC	Female	**$3.07**	**$2.97**	**$2.91**
RHC	Mender	**$3.04**	**$2.95**	**$2.89**



HOSE MENDERS AND COUPLERS

Easily repair your garden hose. Choose between 5/8″ or 3/4″ below. 5/8″ fits our GW50 and GW250 soaker hoses. A light application of petroleum jelly on the coupler eases installation. Clinching brass. Ship wt .5 lb.

Item	Description	Price
50M58	Mender, 5/8″	**$7.76**
CR58M	Coupler 5/8″ Male	**$6.16**
CR58F	Coupler 5/8″ Female	**$3.55**
CR34M	Coupler 3/4″ Male	**$2.84**
CR34F	Coupler 3/4″ Female	**$3.04**



FITS OUR GW50 AND GW250 SOAKER HOSES

https://www.youtube.com/watch?v=BHJVf6YsFRk

LEONARD STAINLESS STEEL WATER NOZZLE

Commercial duty water nozzle. Aluminum body with 2″ stainless steel face plate, with hundreds of micro sized holes for volume yet gentle flow. Ship wt .5 lb.

WB211 **$20.50** **3+ $19.84** **6+ $19.43**

LEONARD ABS WATERING NOZZLE WITH STAINLESS STEEL FACEPLATE

Micro sized holes create a gentle spray that's easy on plants and minimizes soil disturbance. 2" wide nozzle provides high volume for quick watering of flats, containers and landscapes. The stainless screen resists corrosion while the ABS plastic is a strong poly material that is extremely light in weight. Ship wt .2 lb.

WB212 **$21.04** **3+ $20.37** **6+ $19.95**

DRAMM

DRAMM FULL VOLUME WATER BREAKER

Release full water volume without pressure. Aluminum alloy with 2″ face. Use with Handi-Reach extensions. Ship wt .5 lb.

400WB **$23.65** **3+ $23.19**
6+ $22.90

DRAMM

DRAMM "REDHEAD" WATER BREAKER

Produces the softest possible flow with high volume for quick, safe watering. Ideal for plugs, seedling, and even drenching cuttings! Ship wt .5 lb.

1000PL **$16.01**

DRAMM

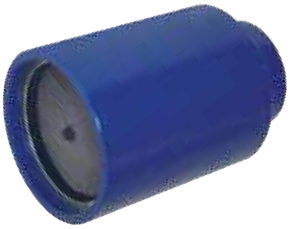
DRAMM POTTED PLANT WATER BREAKER

Concentrates safe water flow to potted plants without waste. 1-3/8″ diameter. Ship wt .5 lb.

170WB **$16.70** **3+ $16.34** **6+ $16.11**

DRAMM

DRAMM SCREEN-AIR FLOOD NOZZLE



Deliver extra oxygen while you water! Ideal for quickly flooding large nursery containers, it provides a bubbly, aerated flow that will not disturb the soil or wash out any top-dressed fertilizers in the pot. A fine-mesh screen and an array of internal components incorporate air into the water to produce a very soft, unrestricted spray. All this happens without restricting the flow from your hose, and that means quicker watering.

350PL **$16.95**

FOGG-IT NOZZLE

3 brass jets for a solid, fog-like spray. Standard hose connection. 3 flow rates available. Ship wt .5 lb.

Item	Flow Rate	Price
FOG-12GPM	0.5 gpm	$8.40
FOG-1GPM	1 gpm	$8.40
FOG-2GPM	2 gpm	$8.40

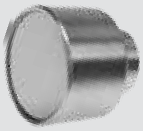
WATERING WANDS AND KITS

24AW-SS
S058
(not included)

LEONARD WATERING WAND KITS

A. M. Leonard's aluminum watering wands with your choice of Stainless Steel Nozzle (WB211) or ABS Plastic Water Nozzle (WB212). The wand's anodized aluminum construction includes a brass female swivel and a male connection. The foam grip insulates from the water temperature and gives you a comfortable grip. Choose between traditional straight, or innovative angled designs. Micro sized holes in the Nozzles create a gentle spray that's easy on plants and minimizes soil disturbance. Stainless steel face plate resists corrosion. **Does not include shut-off valve.**

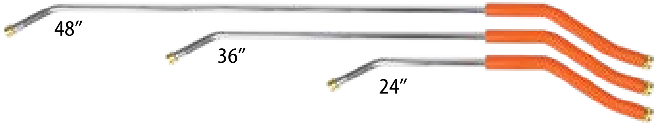
YOUR CHOICE OF NOZZLE:


Stainless Steel

ABS Plastic

STRAIGHT WAND

ANGLED WAND



TRADITIONAL STRAIGHT WAND DESIGN WITH NOZZLE

Item	Length	Nozzle	Ship wt	Price	3+	6+
24SW-SS	24″	Stainless Steel	.5 lb	**$29.81**	**$28.86**	**$28.26**
24SW-PL	24″	ABS Plastic	.5 lb	**$25.23**	**$24.56**	**$24.14**
24SW	24″	Wand only	.4 lb	**$15.33**	**$15.02**	**$14.82**
36SW-SS	36″	Stainless Steel	.6 lb	**$25.92**	**$25.09**	**$24.57**
36SW-PL	36″	ABS Plastic	.6 lb	**$25.19**	**$24.42**	**$23.94**
36SW	36″	Wand only	.5 lb	**$14.02**	**$13.71**	**$13.52**
48SW-SS	48″	Stainless Steel	.7 lb	**$27.15**	**$26.42**	**$25.96**
48SW-PL	48″	ABS Plastic	.7 lb	**$29.87**	**$28.93**	**$28.35**
48SW	48″	Wand only	.6 lb	**$17.69**	**$17.30**	**$17.05**

INNOVATIVE ANGLED WAND DESIGN WITH NOZZLE

Item	Length	Nozzle	Ship wt	Price	3+	6+
24AW-SS	24″	Stainless Steel	.5 lb	**$31.56**	**$30.55**	**$29.92**
24AW-PL	24″	ABS Plastic	.5 lb	**$29.83**	**$28.88**	**$28.28**
24AW	24″	Wand only	.4 lb	**$17.57**	**$17.12**	**$16.84**
36AW-SS	36″	Stainless Steel	.6 lb	**$27.30**	**$26.43**	**$25.88**
36AW-PL	36″	ABS Plastic	.6 lb	**$27.30**	**$26.43**	**$25.88**
36AW	36″	Wand only	.5 lb	**$15.95**	**$15.53**	**$15.27**
48AW-SS	48″	Stainless Steel	.7 lb	**$35.93**	**$34.78**	**$34.06**
48AW-PL	48″	ABS Plastic	.7 lb	**$31.89**	**$30.98**	**$30.41**
48AW	48″	Wand only	.6 lb	**$23.13**	**$22.49**	**$22.09**

DRAMM

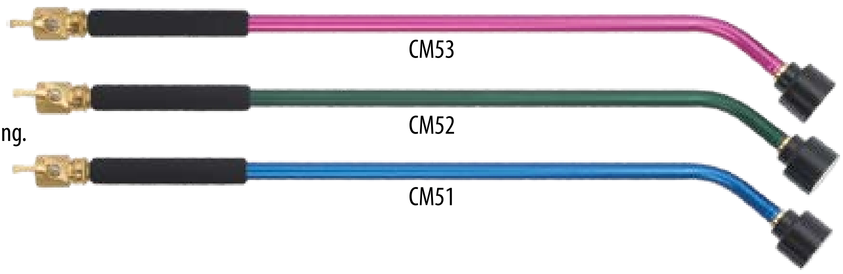
DRAMM ALUMINUM HANDI-REACH WANDS

Specially designed for use with all watering devices. Three sizes with foam grip. **Wand only.**

Item	Length	Ship wt	Price
24HR	24″	.5 lb	**$11.52**
36HR	36″	.5 lb	**$12.45**
48HR	48″	1 lb	**$15.00**

DRAMM

KITS INCLUDE NOZZLE AND SHUT-OFF VALVE!



DRAMM COLORED HANDI-REACH WAND KITS

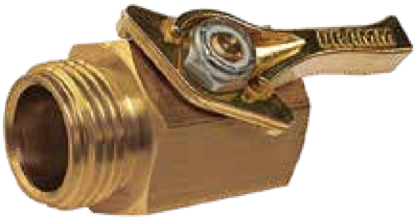
Includes shut-off valve and water breaker nozzle. 30″ long.

Item	Color	Ship wt	Price
CM53	Berry	2 lb	**$37.95**
CM52	Green	2 lb	**$40.67**
CM51	Blue	2 lb	**$37.95**

36" TOUCH N FLOW PRO HANGING BASKET WAND

When you have 1 or 2 baskets to water, that's not too bad. But when you have plenty of hanging baskets, the strain of reaching up can quickly become exhausting. Dramm's 36" hanging basket wand with the 90° bend makes it so much easier to do. It's just great for watering hanging baskets up high and in hard-to-reach areas. Touch N Flow Pro lever activated valve for full flow quick watering.

36TNF **$24.77**



DRAMM

DRAMM HEAVY DUTY SHUT-OFF VALVE

Top quality. All brass construction for long life. Regulates the water flow with full flow shut-off valve (14 gpm). Ship wt .5 lb.

300SO-R **$26.11**

NELSON

NELSON DUAL SHUTOFF VALVE AND HOSE BIB ADAPTER WITH REZIMAR™ CONSTRUCTION

A major upgrade to the standard brass valve. Constructed from both metal and plastic, the 50310 combines these materials to offer you the ideal combination of strength and performance!

50310 **$9.87**

DRAMM

DRAMM FULL FLOW TOUCH 'N FLOW SHUT OFF

Place between your hose and wand or water accessory for easy on/off water control and comfortable grip. Cushion grip handle with one-touch lever activated valve. Higher water flow than comparable triggers. Standard garden hose threads. 11 gpm @ 40 psi. Ship wt .5 lb.

65D-R	**$8.41**	**3+ $8.14**	**6+ $7.97**

NELSON

NELSON 4-WAY WATER SPLITTER/SHUT OFF VALVE

Simple levers let you water up to 4 places at the same time! Expand your watering capabilities by converting a single faucet into controls for four hoses. The durable Rezimar body is designed for easy connection and high flow rate.

50316 **$21.75**

DRAMM

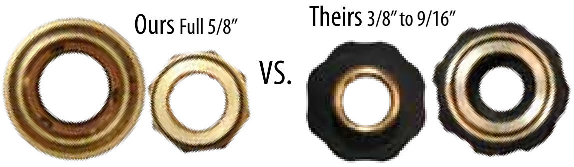
THE DRAMM ONE TOUCH SHUT OFF VALVE

Allows thumb control of your water flow. Extremely easy to use, the One Touch Valve can be adjusted from full flow to off and anywhere in between by moving your thumb. Made from die-cast zinc with rubber over mold and brass male threads, the One Touch Valve is made to last. Ship wt 5 lb.

14700-R **$18.83**

ADD A QUICK COUPLER FOR FAST & EASY HOSE/NOZZLE CHANGES.

CHOOSE OUR ULTRA FLOW!

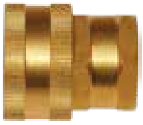


Our Ultra Flow Design Means You Water Faster
The inside diameter of our Ultra Flow Quick Connectors is larger than standard couplers on the market, allowing you to get the most from your water pressure and volume.

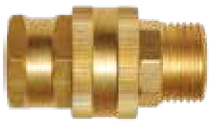
LEONARD ULTRA-FLOW QUICK-COUPLERS

Larger than standard quick-couplers, for the convenience of quick attachment, without the water restriction of small ID couplers. Heavy-duty solid brass male and female couplers with standard hose threads. Inside diameter is 5/8″.

Male Adapter
58CM $6.76
3+ $6.54 6+ $6.41



Female Adapter
58CF $12.32
3+ $11.94 6+ $11.70



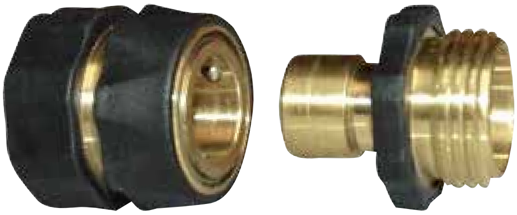
Male, Female Set
58QC $15.97
3+ $15.59 6+ $15.35

AUTO SHUT OFF ALLOWS FOR USE WHILE THE WATER IS STILL RUNNING!

QUICK-COUPLERS

For convenient and quick changing of watering tools or hoses. Auto shutoff feature stops water flow until a new end is snapped into place! Solid brass with sliding ring. Sets include one male and one female connector. Ship wt .5 lb.

Item	Description	Price	3+	6+
QC50	Standard Connector Set	**$9.19**	**–**	**–**
QC50A	Connector Set with Auto Shut-Off	**$12.12**	**$11.93**	**$11.81**
58119	Male Connector Only	**$3.49**	**$3.44**	**$3.41**
58118	Female Connector Only	**$6.76**	**$6.67**	**$6.61**



SAVE WATER EVERY TIME!

LEONARD ALL-BRASS SHUT OFF VALVE

Ultra flow design does not restrict water flow. Brass construction with stainless steel ball valve. Large lever for easier operation. 1/2″ inner opening. Standard hose fitting. Ship wt .5 lb. **Lifetime warranty**.

S058 $24.81 3+ $24.02 6+ $23.52

https://youtu.be/p7Q5ZidZdB8

Ball Valve Seal
Unique ball seal engages when threaded onto hose fitting. Always the proper tension for leak free service.

ONE TOUCH REVOLUTION 9-PATTERN SPRAY GUN

Comfort, style and precision, under your thumb! Aids in any outdoor function involving water: wash your car and boat; clean your deck and sidewalk; water your flowers and young trees. Easily switch between water flow selections with the quick-change feature. Equipped with the One Touch™ Valve allowing complete and total water flow control with just one touch of your thumb. Ergonomic design and heavy-duty metal construction. Available in Blue (3B), Orange (50), or Green (7G). Lifetime guarantee.

REV-color **$15.73**

SWIVEL NOZZLE

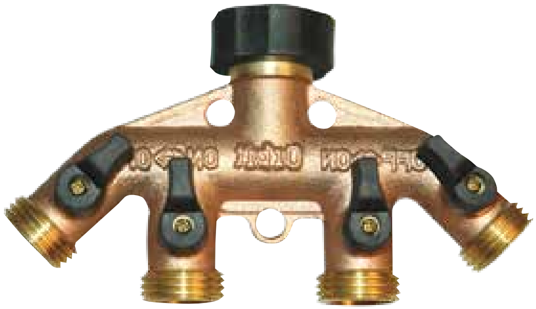
From the moment you pick it up, you'll notice this watering nozzle is different. Designed with mobility in mind, it features Gilmour's innovative Swivel Connection. The swivel allows the nozzle to pivot without twisting the hose, thus reducing the likelihood of kinking. Thumb Control design offers a complete flow range from on to off. Ship wt .8 lb.

GSC-T Thumb Control **$14.35**

QUICK COUPLERS

For convenient and quick changing of watering tools or hoses. Auto shutoff feature stops water flow when changing watering tools. Solid brass with sliding ring. Ship wt .5 lb.

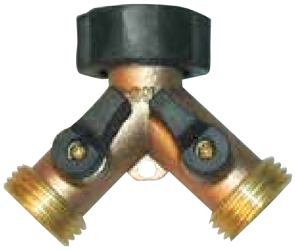
QC50 **$9.19**



BRASS 4-WAY SHUT-OFF

Multiple hose connections have independent shut-off valves for each port adding flexibility and versatility. Solid brass with swivel connection. Includes mounting holes for stability. Ship wt 2 lb.

BM4 **$30.77** **3+ $30.02** **6+ $29.56**



BRASS SIAMESE WITH TWIN SHUT-OFF

Brass "Y" connector features leak free stainless steel ball valves. Rubber ring swivels for spigot attachment. Ship wt .5 lb.

BY47 **$12.49** **3+ $12.09**
6+ $11.84

355

356

357

PUSH-PULL LEVER
FOR EASY WATER
FLOW CONTROL!

EZ FLOW CONTROL VALVE

Tired of valves that are hard to turn off and on? Try these instead! No twisting or turning needed, these are designed for ease of use; simple valves that feature an Easy Push-Pull Design for controlling your water flow. Turn the water off, or on at full flow, or anywhere in between just by moving the lever. Includes metal threaded connections for long life.

355	1-Way	**$7.27**
356	2-Way	**$10.29**
357	3-Way	**$22.44**

SET IT & FORGET IT

WATER UP TO 6 TIMES PER DAY!

EASY-SET ELECTRONIC TIMER

Water up to 6 times a day with this easy-to-set electronic timer. Digital display lets you review programs at a glance. Runs in increments from 1 minute to 2 hours, from once a day to once a week. Manual On/Off waters up to 30 minutes and automatically shuts off without changing settings. Works with low pressure drip and soaker hoses. Standard hose threads. Uses 2 AA batteries (not included). Ship wt 2 lb.

62057 $59.33 3+ $57.77 6+ $56.80

AS EASY AS AN EGG TIMER!

NELSON

SINGLE OUTLET ELECTRONIC TIMER

Timer has manual on/off button with reliable solenoid design. Metal ergo swivel coupling. Waters up to 3 hours on a variety of intervals including every day, every two days, etc. Valve closes if battery is low. Easy to read large LCD screen with easy setup. Uses 2 AA batteries (not included).

56607 $36.51 3+ $35.75 6+ $35.27

53015

NELSON

NELSON SIMPLE AND RELIABLE MECHANICAL TIMER

With the turn of the dial this mechanical timer offers a cost-effective, low-tech means of controlling water usage: no batteries required. Ship wt .5 lb.

56600 $20.74
3+ $20.14
6+ $19.76

53280

melnor

WATER UP TO 24 TIMES PER DAY!

HYDROLOGIC WATER TIMERS

The HydroLogic digital water timer offers innovative features not available from any other manufacturer. Setup and programming are easy, with clear on screen information. Once programmed, the next watering cycle will display in real time so you will know exactly when the next cycle begins. Available in 1, 2, or 4 zone models.

Item	Zones	Price	3+	6+
53015	1	$48.56	$47.73	$47.21
53280	4	$95.32	$93.90	$93.01

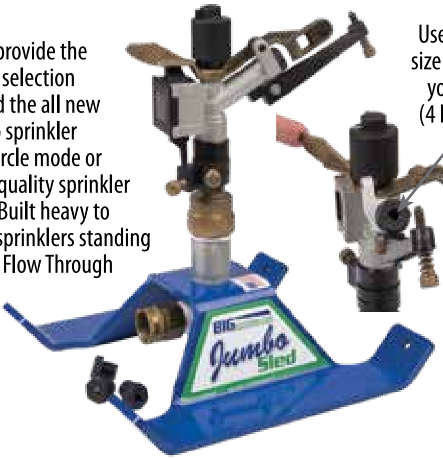
Gilmour
GARDENING INNOVATION

MECHANICAL WATER TIMER

Mechanical Water Timer waters up to 2 hours. Easy to set dial with manual on-off option.

KX4100 $18.19 3+ $17.74 6+ $17.46

HIGH VOLUME, HEAVY-DUTY SPRINKLERS



Use the best size nozzle for your need (4 Included)

JUMBO SLED SPRINKLER

This JUMBO sled base is laser cut from 1/4" thick steel plate, custom formed and powder coated to provide the most sleek and durable sprinkler base on the market. Each component in this assembly is a quality selection including the heavy steel water path components, heavy brass garden hose connection fittings, and the all new Jumbo sprinkler with 4 nozzle set allowing flow ranges from 3 to 16 gallons per minute. The Jumbo sprinkler features an adjustable jet stream breaker for changing stream pattern and can be operated in full circle mode or part circle mode by simply adjusting the part circle tabs at the base of the sprinkler. This is another quality sprinkler head constructed from a cast aluminum body with brass drive arm and brass lower turning union. Built heavy to withstand years of use, the total weight of this product is 11 lb. The Jumbo sled dwarfs most other sprinklers standing almost 12" tall with a 10" wide and 11" long thick steel base. The Jumbo sled also features a unique Flow Through base design allowing multiple sled bases to be connected in series! Covers up to 112' in diameter, depending on PSI, GPM and nozzle used. **Made in the USA!** Ship wt 11 lb.

JUMBO **$161.12**

WATER LARGE AREAS WITH EASE!

Sprays 120' dia.
1000F
Sprays 120' dia.
1000R
Sprays 150' dia.
1250K

COMMERCIAL GRADE IMPACT BIG SPRINKLER

The 1000F-Heavy Duty Sprinkler Cart is constructed with a 1" heavy gauge steel pipe, a solid 1.5" steel axle for weight (25 lb), and a durable "baked on" powder coat finish. It also comes standard with a ¾" brass garden hose swivel and commercial grade Sime model "Funny" impact style sprinkler (flow range 5 to 25 gpm) that can be set to a full or part circle spray pattern with area coverages up to 120' in diameter!! Sprinkler includes 5 nozzle sizes so you can match sprinkler output to your water supply capability. **Made in the USA.**

1000F **$237.42**

COMMERCIAL GRADE FULL AND PART CIRCLE BIG SPRINKLERS

The 1000R and 1000R-PC heavy duty wheeled sprinkler carts come with a Falcon Gear Drive Rotor. This smooth and quiet rotor drive sprinkler features an even water pattern with a gentle rain curtain, interchangeable nozzles, and leak-free seals to avoid puddling at the sprinkler. It works well at low pressures! These Heavy Duty Sprinkler Cart with wheels are constructed of 1" heavy gauge steel pipe, a solid 1.5" steel axle for weight, and a durable "baked on" powder coat finish. Spray distances up to 120' in diameter! **Made in the USA.**

Full Circle Head
1000R **$291.53** **3+ $284.26** **6+ $279.71**

Part Circle Head
1000R-PC **$229.45**

HEAVY DUTY WHEELED SPRINKLER CART

Can be assembled in minutes and ready to irrigate wherever and whenever you want big volume irrigation! The 1250K-Heavy Duty Bigsprinkler Cart is constructed with 1-1/4" heavy gauge steel pipe and a solid 1-1/2" steel axle for weight; complimented by a durable "baked on" powder coat finish. It also comes standard with a 1-1/4" standard national pipe thread male fitting and the large commercial grade Sime model "K1" impact style sprinkler that may be set to a full or part circle spray pattern. The 1250K sprinkler cart is most often used with the 1.5" or 2" pre made hoses for water supply to the cart. **Made in the USA.**

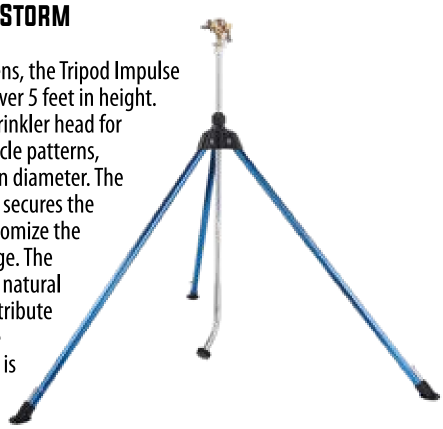
1250K **$373.74**

T-POST SPRINKLER

Elevate your watering coverage with a pulsating sprinkler that easily attaches to a standard T-Post. Water up to 85' with adjustable coverage that goes from a partial to a full circle. Set-up is easy. The sprinkler slides over top of a t-post and attaches with two thumb screws that can be removed quickly when you want to relocate. The angled hose connection makes it easy to attach the hose without hurting your knuckles. Connect several units together with the flow through base to water an even larger area. Keep your plants in the garden center or field healthy or easily water along a fence in the backyard for a healthy lawn all season long. Ship wt 1 lb.

TPS $29.75 3+ $28.80 6+ $28.20

NEW DRAMM COLORSTORM TRIPOD SPRINKLER



Designed to water over gardens, the Tripod Impulse Sprinkler elevates watering over 5 feet in height. It features a brass impulse sprinkler head for adjustable partial and full-circle patterns, waters an area up to 70 feet in diameter. The retractable stake base design secures the tripod in place while you customize the height and spray area coverage. The overhead watering simulates natural rain to quickly and evenly distribute a gentle, soaking shower. The new Tripod Impulse Sprinkler is a must-have item for large gardens, covering large areas, and watering over tall plants.

CSTS $60.23 3+ $58.84 6+ $57.97

BRASS SPIKE BASE IMPACT SPRINKLER

Commercial sprinkler has a brass impact head on a zinc die-cast spike base. Base has a pass-through hose outlet for connection of more than one sprinkler. Adjustable full/partial circle, coverage to 80' in diameter. Head uses a deflector and diffuser pin for easy adjustment of pattern and distance. Standard hose connection. Ship wt 2 lb.

SP700 $32.18 3+ $31.76 6+ $31.50

GILMOUR PROFESSIONAL SPRINKLER

Use what other Pros use! A sprinkler with over 2 lb of heavy-duty all-metal construction, the Gilmour industrial impulse sprinkler is designed to provide reliable performance for extra-large areas. Base is a triple spike made out of cast zinc with a foot step molded in. Extra large nozzle covers 8,500 sq/ft with the option of full or partial coverage. Ship wt 2 lb.

K2150 $47.47

WHEELED BASE IMPACT SPRINKLER

Non-corrosive construction. Adjustable full/partial circle. Large wheeled base. Male hose thread outlet allows you to connect multiple sprinklers in a series. Brass hose swivel connection. Standard hose connection. Ship wt 3 lb.

WB295 $39.27

YOU SET THE PATH,
IT MOVES ITSELF!

TRAVELING LAWN SPRINKLER BY ORBIT

You don't need to baby-sit this one: Just start it up and let it work for you! Follows the path of up to 200' of hose, and the automatic shut-off ramp stops the sprinkler and shuts off the water when it's done. Rust-resistant cast iron body with a durable brass hose connection. Powerful two-speed transmission can be set to high, low, or neutral speed settings. Rear wheel cleats "dig in" for traction. 6 year free-from-defects in materials or workmanship guarantee. Manufacturer recommends using 5/8" hose with the Traveling Sprinkler.

58322 $144.38 3+ $140.87 6+ $138.68

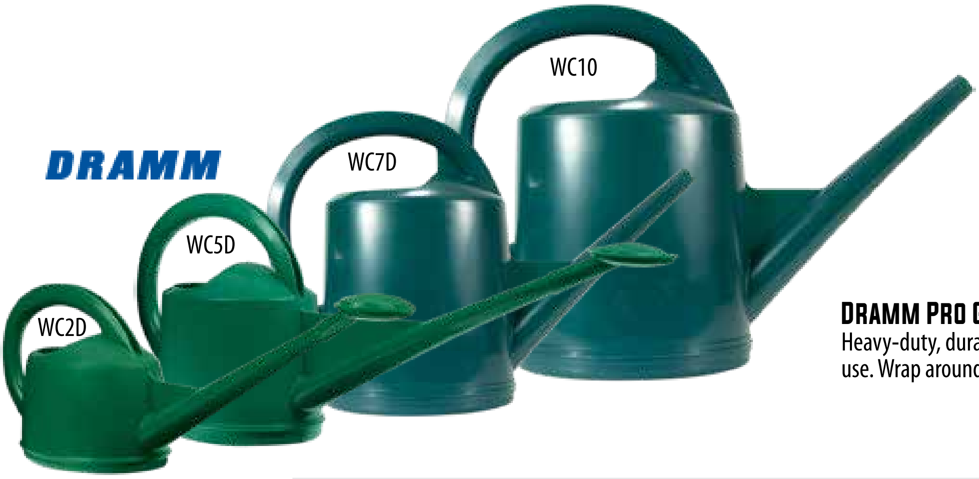
TRIED & TRUE WATERING ESSENTIALS

CARRIES 20 GALLONS OF WATER!

THE SMART WATER CART™

Carries 20 gallons of water with ease! The ideal answer for all of your watering needs. No more buckets to carry, no more long hoses to handle. The cart is also equipped with a flexible crush-resistant and virtually kink-proof hose to easily water out-of-reach plants and areas. The hose also features quick connect flow tips to easily switch from a heavy flow pattern to a gentle shower pattern. The system naturally dispenses water relying on gravity, so there's no tricky, fragile operating system or difficult-to-use pump.

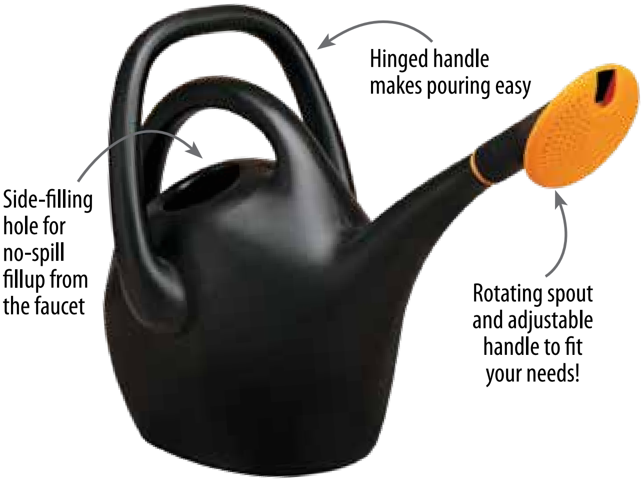
SWCS	Spoke wheels	**$464.14**
SWCFF	Flat free	**$459.34**



DRAMM PRO GRADE PLASTIC WATERING CANS

Heavy-duty, durable plastic, well-balanced for comfortable use. Wrap around oval handle. Dark green, in four sizes.

Item	Size	Spout	Ship wt	Price	3+	6+
WC2D	2 Liter	For indoor use	1 lb	**$15.67**	**$15.45**	**$15.32**
WC5D	5 Liter	Long for extended reach	2 lb	**$27.88**	**$27.24**	**$26.83**
WC7D	7 Liter	Removable medium spray plastic rose for soft flow	3 lb	**$43.89**	**$42.49**	**$41.61**
WC10	10 Liter	Detachable angle spout for hard-to-reach places (Rose not included)	3 lb	**$59.95**	–	–
ROSE1	–	Rose attachment for WC10	.5 lb	**$13.13**	–	–



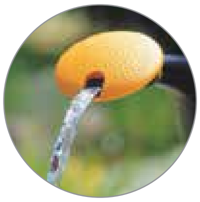
Hinged handle makes pouring easy

Side-filling hole for no-spill fillup from the faucet

Rotating spout and adjustable handle to fit your needs!

Hinged handle makes pouring easy.

Gentle shower for delicate flowers and plants.



Steady stream for all-purpose soaking.

EASY POUR WATERING CAN

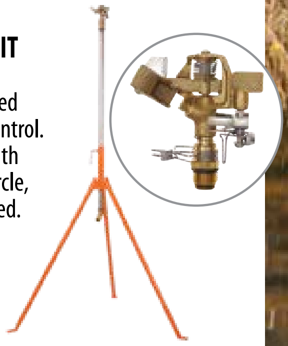
Offers both capacity and control. Holds 2.6 gallons yet is easy to carry and pour because of its unique handle design. Dual handles accommodate multiple hand positions. The hinged handle enables two-handed pouring for better maneuverability and control. The spout rotates for adjustable flow control, from a gentle shower to a steady stream. In addition, the filling hole is located on the side so the handles don't get in the way, making it easier to fill. Ship wt 2 lb.

47287 **$32.09** **3+ $31.17** **6+ $30.60**

LEONARD TOWER SPRINKLER, STAND ONLY

Adjustable height from 48″ to 72″, the orange powder coated frame has a zinc plated height lever and leg fasteners. Angled feet provide stability and includes 1/2″ holes for staking if desired. Brass adapters included for 1/2″ and 3/4″ male NPT sprinkler heads. Standard garden hose connection. This sprinkler stand is a real workhorse! **Sprinkler heads sold separately.**

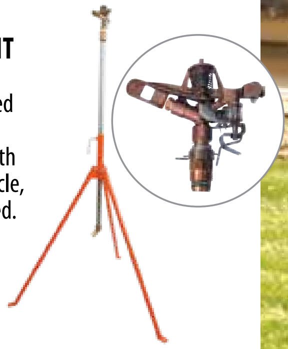
ATS72 $266.80



LEONARD TOWER SPRINKLER WITH ORBIT 1/2″ IMPULSE HEAD

The brass 1/2″ Impulse Sprinkler Head is equipped with deflector and diffuser screw for distance control. Brass, bronze and stainless steel construction with 1/2″ male pipe thread. Adjustable full/partial circle, sprays up to 80′ in diameter. ATS72 stand included.

ATS72-12 $269.19



LEONARD TOWER SPRINKLER WITH ORBIT 3/4″ IMPULSE HEAD

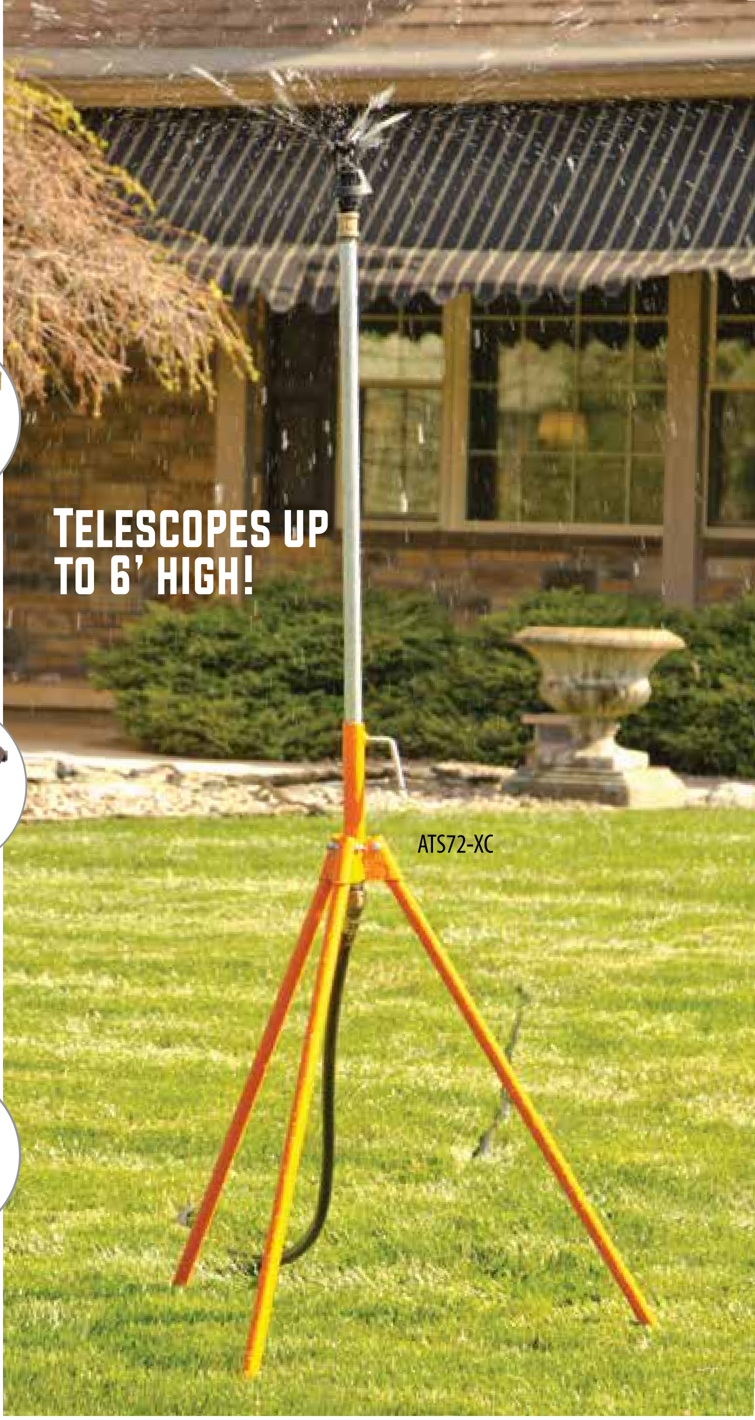
The brass 3/4″ Impulse Sprinkler Head is equipped with deflector and diffuser screw for distance control. Brass and stainless steel construction with 3/4″ male pipe thread. Adjustable full/partial circle, sprays up to 90′ in diameter. ATS72 stand included.

ATS72-34 $312.74

LEONARD TOWER SPRINKLER WITH 3/4″ WOBBLER HEAD

Maximize your watering with the Wobbler Sprinkler Head! The 3/4″ head provides extremely uniform coverage, even at lower pressures. Unique off-center rotary action is counterbalanced to be smooth and stable. Very low evaporative loss. Engineering-grade thermoplastic with no metal parts for corrosion resistance. NPT male connections. Overall spray diameter from 38′ to 48′. Operating pressure: 10 to 30 psi. ATS72 stand included.

ATS72-XC $237.44



3/4″ RAINBIRD IMPULSE SPRINKLER HEAD

Brass and stainless steel construction with 3/4″ male pipe thread. Extra coverage, full or part circle. Set distance up to 102′ diameter, 60′ max spacing. 6.4 gpm at 40 psi. Ship wt 2 lb.

35ADJ $57.31 3+ $56.10 6+ $55.34

3/4″ IMPULSE SPRINKLER HEAD

Brass and stainless steel construction with 3/4″ male pipe thread. Extra coverage, full or part circle. Equipped with diffuser screw to set diameter up to 90′. Ship wt 1 lb.

BS34 $50.57

1/2″ RAINBIRD IMPULSE HEAD WITH PJ

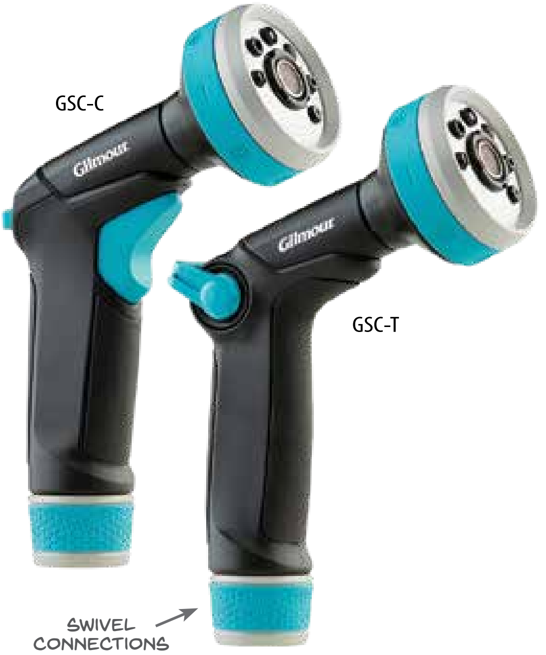
Brass, bronze and stainless steel construction with 1/2″ male pipe thread. Adjustable full/partial circle, up to 100′ maximum diameter. PJ eliminates back splash. 4.4 gpm at 40 psi. Ship wt .5 lb

25PJDA $22.98 3+ $22.55 6+ $22.27

1/2″ ORBIT IMPACT SPRINKLER HEAD

Ideal for any lawn or landscaping project. Made from durable plastic. 1/2″ male pipe thread. Area coverage up to 80′ in diameter. Adjustable full or part circle. Ship wt .5 lb.

587FP $8.68 3+ $8.40 6+ $8.23



SWIVEL NOZZLE

From the moment you pick it up, you'll notice this watering nozzle is different. Designed with mobility in mind, it features Gilmour's innovative Swivel Connection. The swivel allows the nozzle to pivot without twisting the hose, thus reducing the likelihood of kinking. Choose between Thumb Control or Trigger Control

Thumb Control design offers a complete flow range from on to off. Trigger Control with EZ Click™ actuation means one simple click to achieve continuous flow. Flow rate is controlled with a second valve on the back of the nozzle. Ship wt .8 lb.

GSC-T	Thumb Control	**$14.35**
GSC-C	Trigger Control	**$15.18**

ONE TOUCH REVOLUTION 9-PATTERN SPRAY GUN

Comfort, style and precision, under your thumb! Aids in any outdoor function involving water: wash your car and boat; clean your deck and sidewalk; water your flowers and young trees. Easily switch between water flow selections with the quick-change feature. Equipped with the One Touch™ Valve allowing complete and total water flow control with just one touch of your thumb. Ergonomic design and heavy-duty metal construction. Available in Blue (3B), Orange (50), or Green (7G). Lifetime guarantee.

REV-color **$15.73**

FIREMAN'S STYLE NOZZLE

Fireman's Style Nozzle offers a choice in spray selections; find the right one for every task at work and in the garden, from a gentle rain-like shower for gardens to a powerful jet spray perfect for clearing away debris. This heavy duty nozzle is durable to ensure years of dependable use. To modify water pressure, the lever allows a quick adjustment to the flow of water without going back to the faucet. The rubberized hand grip provides a comfortable grip. Ship wt 1.25 lb.

FMWN **$31.88** **3+ $31.38** **6+ $31.07**

HEAVYWEIGHT 10 PATTERN NOZZLE

Get a heavyweight nozzle constructed to stand up to frequent use. Ten spray patterns let you gently water delicate lilies or blast away the toughest dirt from the driveway. A thumb activated flow control and shut off make it simple to operate. The slip resistant rubberized grip stays securely in your hands while you tackle any job. Melnor® XT nozzles are built to last with a rugged metal core. Ship wt 1 lb.

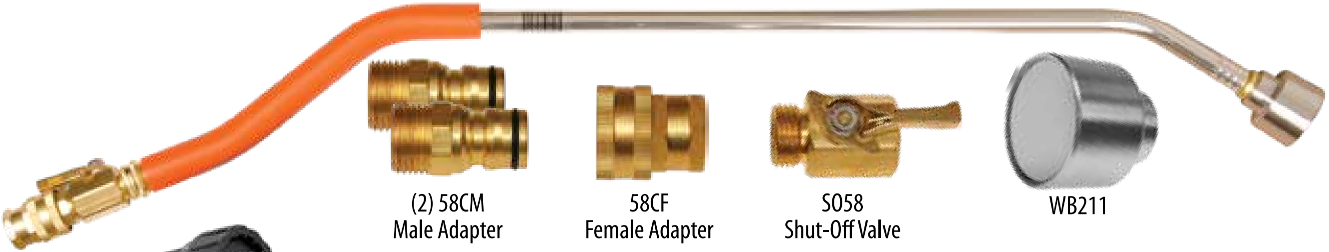
XT452 **$12.71**

MULTI-PURPOSE EASY-TWIST INDUSTRIAL POWER WATER NOZZLE

Powerful enough to clean your car, deck, or patio, yet gentle enough to mist your most delicate plantings. Brass nozzle with soft vinyl grip. Adjusts from jet stream to fine spray with a twist. And it's practically indestructible!

MP56 **$16.55** **3+ $16.02** **6+ $15.69**

BUY AS A
KIT & SAVE!



(2) 58CM
Male Adapter

58CF
Female Adapter

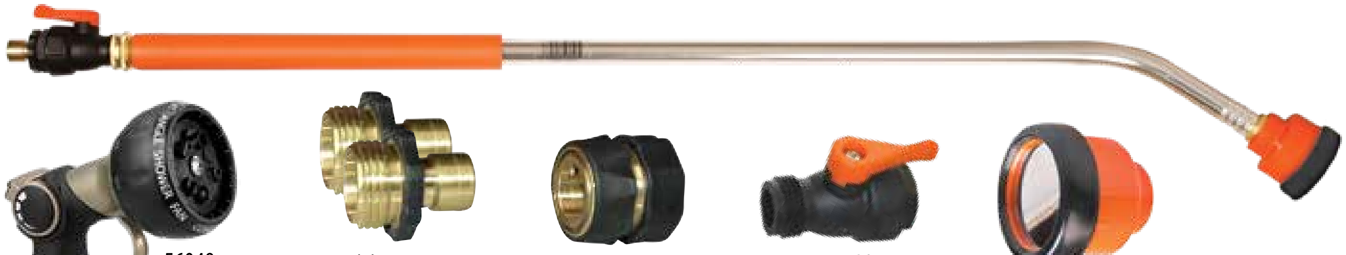
S058
Shut-Off Valve

WB211

LEONARD PREMIUM WATERING KIT – Our premium watering kit is designed with the professional in mind. Featuring a 7-pattern contractor grade turret pistol nozzle by Orbit which offers a choice in spray patterns to get the job done.

The base for the remainder of the premium kit is our 36AW aluminum angled wand. From there we beef things up with brass high-flo quick connect couplers and our customer favorite heavy duty S058 brass shut off valve. Water is broken into a gentle shower for your plants with our aluminum WB211 watering nozzle. From beginning to end, all a pro needs to water day in and day out.

WKP	**$61.20**	**3+ $60.32**	**6+ $59.77**



56049

(2) 58119
Male Adapter

58118
Female Adapter

164SO
Shut-Off Valve

WB212

LEONARD STANDARD WATERING KIT – Our standard kit features a 7-pattern turret nozzle with thumb control. Find the right spray pattern for every task in the home and garden. The nozzle is constructed out of metal for added durability and extended life. Thumb control allows a quick adjustment to the flow of water without going back to the faucet.

The remainder of the standard kit consists of our aluminum 36SW watering wand with our Leonard gentle showering WB212 water nozzle. From there we've added our durable 164SO poly shut off valve and a set of quick connect couplings for easy swapping of hose ends. Everything you need for your home and landscape watering needs.

WKS	**$32.98**

EVERYTHING FOR B-AND-B PRODUCTION

BURLAP ROLLS – You can save money and have the right size for a variety of jobs. Just order your burlap by the roll to size as the demand arises. You may want to stock squares for your standard needs, and a roll or two for your special jobs. Our 100 and 250 yard burlap rolls are available Treated (rot-resistant) or Plain. 72″ and all 250 yard rolls are motor freight. **Priced and sold by the roll.**

100 YARD BURLAP ROLLS - 7 OZ

		Untreated				Treated			
Width	Ship wt	Item	Price	3+	6+	Item	Price	3+	6+
36″	40 lb	36UR	$84.29	$82.00	$80.57	36TR	$113.49	$111.87	$110.86
40″	46 lb	40UR	$95.30	$92.32	$90.46	40TR	$123.94	$120.50	$118.35
60″	66 lb	60UR	$141.81	$137.43	$134.69	60TR	$187.62	$185.05	$183.44
72″	80 lb	72UR	$172.00	$166.60	$163.22	72TR	$226.40	$223.21	$221.22

250 YARD BURLAP ROLLS - 7 OZ

		Untreated				Treated			
Width	Ship wt	Item	Price	3+	6+	Item	Price	3+	6+
36″	104 lb	36UR250	$247.52	$239.60	$234.65	36TR250	$281.71	$275.36	$271.40
40″	117 lb	40UR250	$267.37	$258.81	$253.47	40TR250	$313.87	$309.49	$306.75
60″	175 lb	60UR250	$357.39	$346.21	$339.23	60TR250	$470.48	$459.83	$453.17
72″	219 lb	72UR250	$428.86	–	–	72TR250	$569.71	$561.44	$556.27

TOP QUALITY — MEETS STRICT EPA STANDARDS!

BURLAP SQUARES

These are the finest burlap squares on the market. Plain squares are economical and biodegradable. Treated squares are fungus, pest and rot-resistant for longer life and they will still safely biodegrade over time. Select standard 7 oz burlap, or the extra heavy 10 oz for durability in your toughest applications. **Priced and sold in bales.**

STANDARD BURLAP SQUARES — 7 OZ

			Untreated				Treated			
Size	Qty Per Bale	Ship wt	Item	Per Bale	3+ Bales	6+ Bales	Item	Per Bale	3+ Bales	6+ Bales
24″ x 24″	250	48 lb	2424U	$105.10	$103.81	$103.00	2424T	$133.73	$130.24	$128.06
28″ x 28″	250	65 lb	2828U	$142.38	$140.64	$139.55	2828T	$181.35	$176.62	$173.67
30″ x 30″	250	75 lb	3030U	$149.92	$145.18	$142.22	3030T	$207.79	$201.14	$196.98
36″ x 36″	250	100 lb	3636U	$228.34	$225.83	$224.25	3232T	$233.14	$225.68	$221.02
40″ x 40″	250	135 lb	4040U	$284.36	$275.26	$269.57	3636T	$292.76	$288.16	$285.29
48″ x 48″	250	185 lb	4848U	$405.62	$392.64	$384.53	4040T	$363.90	$352.26	$344.98
54″ x 54″	250	235 lb	5454U	$479.59	–	–	4848T	$520.15	$511.68	$506.39
60″ x 60″	250	300 lb	6060U	$639.66	$619.19	$606.40	5454T	$571.47	$555.63	$545.73
72″ x 72″	100	165 lb	7272U	$365.60	$361.05	$358.20	6060T	$705.95	–	–
80″ x 80″	10	45 lb	8080U	$46.00	$44.53	$43.61	7272T	$468.69	$453.69	$444.32
90″ x 90″	10	57 lb	9090U	$70.50	$68.66	$67.52	8080T	$58.72	$57.63	$56.94
96″ x 96″	10	65 lb	9696U	$85.30	$82.57	$80.86	9090T	$86.62	$84.25	$82.77
							9696T	$103.62	$100.30	$98.23

HEAVY-DUTY BURLAP SQUARES — 10 OZ

			Untreated				Treated			
Size	Qty Per Bale	Ship wt	Item	Per Bale	3+ Bales	6+ Bales	Item	Per Bale	3+ Bales	6+ Bales
32″ x 32″	250	85 lb	3232U10	$241.81	$234.42	$229.81	3232T10	$314.53	$305.18	$299.34
36″ x 36″	250	167 lb	3636U10	$337.94	$328.49	$322.59	3636T10	$439.15	$430.98	$425.88
40″ x 40″	250	230 lb	4040U10	$425.26	$412.58	$404.65	4040T10	$538.90	$523.44	$513.78
48″ x 48″	250	255 lb	4848U10	$571.58	$556.77	$547.51	4848T10	$735.20	$716.39	$704.63
54″ x 54″	200	281 lb	5454U10	$591.20	$572.28	$560.46	5454T10	$756.88	$736.80	$724.24
60″ x 60″	200	347 lb	6060U10	$730.82	$707.43	$692.82	6060T10	$915.64	$901.85	$893.23
72″ x 72″	100	235 lb	7272U10	$520.44	$504.45	$494.46	7272T10	$667.70	$657.29	$650.78
80″ x 80″	10	61 lb	8080U10	$75.89	$74.26	$73.24	8080T10	$94.08	$91.86	$90.47
84″ x 84″	10	68 lb	8484U10	$51.55	$50.66	$50.10	9090T10	$127.37	$123.29	$120.75
90″ x 90″	10	77 lb	9090U10	$104.36	$101.02	$98.93	9696T10	$145.09	$140.45	$137.55
96″ x 96″	10	88 lb	9696U10	$104.17	$102.23	$101.02				

HOW DO YOU SECURE YOUR BURLAP?

WHICHEVER METHOD YOU CHOOSE, WE'VE GOT EVERYTHING YOU NEED.

LEONARD NURSERY NAILS

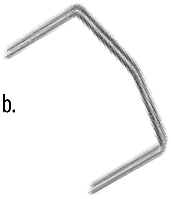
Leonard Nursery Nails are ideal for use in field harvesting plant material. Top quality, oval head pinning nails are made of a high carbon, quick dissolve steel. This allows the nails to diminish quickly once planted. A rounded, oval head allows the nails to be comfortably maneuvered and pushed in place by hand. Polished and sharp, the needle point offers easy pinning while the high polish slips easily through burlap yet holds tight. Available in industry standard 14 gauge, and 12 gauge nails, each measure 2-1/4" long. Sold in 50 lb carton. Ship wt 50 lb. **Made in the USA!**

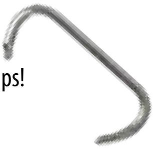
APN6D	14 ga	14,800 pcs	**$123.12**
APN7D	12 ga	12,400 pcs	**$123.12**

STAPLES FOR B8SP

1/4", 5000/box. Ship wt .5 lb.

ST145 $11.09





HOG RING STAPLES

Galvanized steel with pointed tips!
11/16" opening, 9/32" closed.
2500 per box. Ship wt 3 lb.

SR825 $27.46 5+ $26.97 10+ $26.67

KING-HUGHES HOG RING STAPLER

This King-Hughes hog ring stapler has the ability to handle staples from different manufacturers. The tool is designed for easy maintenance through careful engineering. Benefits of using this tool can be seen immediately in less man hours on the job, lower occurrences of installer injuries and lower per connection prices.

G7 $59.97 5+ $58.91 10+$58.24

SEWING NEEDLE

Hand sewing needles are bent style with large eye for sewing jute or other twines. Ship wt .5 lb.

Item	Length	Price	5+	10+
SN6	6"	**$42.12**	**$40.77**	**$39.93**
SN7	7"	**$60.67**	**$58.73**	**$57.52**
SN8	8"	**$77.31**	**$74.84**	**$73.29**

110ST
210STT

SISAL TWINE

There is a difference! Top grade, long-fiber sisal pulls tight for a firm knot. Available in 1-, 2- or 3- ply, in 10 lb balls or 50 lb reels. 1 ply, 300 ft lb; 2 ply, 176 ft lb; 3 ply, 72 ft lb.

NATURAL 10 LB BALL (Ship wt 11 lb)

10 lb	Ply	Length	Price	5+	10+
110ST	1-ply	3,000'	**$34.27**	**$33.49**	**$33.01**
210ST	2-ply	1,760'	**$30.04**	**$29.39**	**$28.99**
310ST	3-ply	720'	**$24.87**	–	–

NATURAL 50 LB REEL (Ship wt 52 lb)

50 lb	Ply	Length	Price	5+	10+
150ST	1-ply	15,000'	**$163.58**	**$161.32**	**$159.91**
250ST	2-ply	8,800'	**$255.74**	**$247.56**	**$242.44**
350ST	3-ply	3,600'	**$195.19**	**$188.94**	**$185.04**

GREEN 10 LB BALL (Ship wt 10 lb)

10 lb	Ply	Length	Price	5+	10+
210STT	2-ply	1,760'	**$46.40**	**$44.92**	**$43.99**
310STT	3-ply	720'	**$41.80**	**$40.46**	**$39.63**

TWINES & KNIVES

CWC PRO-SERIES
Tying Twine

POLY TWINE
Lightweight, rot and rodent resistant, stronger and more economical than sisal! White 100% polypropylene fiber. 10 lb balls. Ship wt 11 lb.

Item	Ply	Length	Price	5+	10+
T085	1	5,500′	**$54.08**	**$52.35**	**$51.27**
T055	2	2,700′	**$67.87**	**$65.70**	**$64.34**
T075	3	1,800′	**$73.95**	**$71.58**	**$70.10**

MANY ENDS JUTE
Cut across the hank once, and have several pieces ready to use! If you are using same-length pieces, this will really save you time. Ship wt 50 lb.

282ME 2-ply, 595 ft lb
$145.08 **5+ $142.93** **10+ $141.59**

283ME 3-ply, 495 ft lb
$186.54 **5+ $181.08** **10+ $177.66**

CHRISTMAS TREE BALER TWINE
High strength and high yield twine. Offers 8% more yield than industry standard baler. 85 lb tensile strength. White in color. 8,150′ per 5 lb spool. Priced per spool. Ship wt 5 lb.

CTW5 **$39.68** **5+ $38.41** **10+ $37.62**

10 LB BULK BALLS
Soft, brown tube twine, suited for top tying and sewing. Available in 3- or 4-ply. 3-ply, 5,100 ft lb.; 4-ply 3,750 ft lb. Ship wt 10 lb.

2803 3-ply; 5,100′
$46.51 **5+ $45.02** **10+ $44.09**

4504 4-ply; 3,750′
$27.77 **5+ $27.12** **10+ $26.72**

BALER TWINE
Tight twist, natural fiber. 1-ply, 130 lb test. Bale of two 20 lb balls; approximately 9,000′ long. Ship wt 42 lb.

220BL **$129.11**
5+ $124.98
10+ $122.40

ORANGE POLY BALER TWINE
UV stabilized twine is lightweight and resists rot. Pulls from inside of spool. 250 lb tensile strength. 130 lb minimum knot strength. Sold as a carton of two 4500′ spools, (9000′ total). Ship wt 17 lb.

BT9000 **$122.40** **5+ $118.48** **10+ $116.04**

1/2 LB NURSERY JUTE
- Versatile green or natural 3-ply jute in convenient 1/2 lb balls, 210′ per ball. 1,260′. Bag of 6 balls. Ship wt 4 lb.

283G Green
$6.56

283N Natural **$10.53** **5+ $10.31**
10+ $10.17

BINDER TWINE
High-grade sisal for a variety of uses. 125 lb test, approximately 490′. Priced per ball. Ship wt 5 lb.

105BT **$22.17**
5+ $21.51
10+ $21.10

2" WEB STRAPPING
Wide webbing for plant lifting and securing. Strong 2" wide strapping has a tensile strength of 5,000 lb. This clean reclaimed seat belt webbing will be sent out in shades of dark gray or green. Each convenient spool contains four to five cut lengths, for a total of 300′ of webbing. Ship wt 13 lb.

SB300 **$54.68**

RING KNIFE
A handy helper, cleverly designed to wear on finger of your choice. Men's sizes: 7-14. Specify size when ordering. Ship wt .5 lb. **Sold by the dozen.**

TK-size **$36.66**

STRETCH WRAP
What will you use it for? A root wrap for B&B trees. Palletizing bricks and pavers. Securing loads of container plants. The possibilities are endless! Quality 80 ga plastic wrap in clear or black. 18" x 1500′ rolls. Ship wt 10 lb.

181500C80 Clear
$68.87 5+ **$66.67** **10+ $65.29**

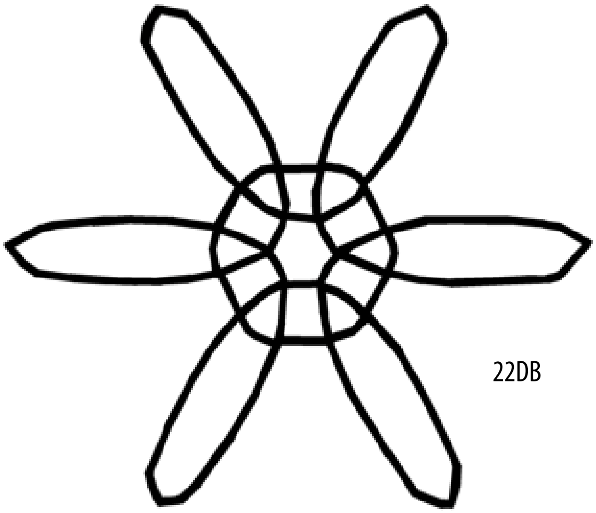
181500B80 Black
$37.91 **5+ $37.01** **10+ $36.45**

FISKARS PRO

FISKARS® PRO FOLDING UTILITY KNIFE
This knife opens with the flick of a wrist! And is equipped with dual-locking blade system that prevents accidental blade release. Tough cast aluminum construction with reinforced end handles. Measuring 6-3/4" long when open, 4-1/2" closed, and only 1" thick. This folding knife is compact, easy to carry, and comes equipped with a belt clip. Includes one CarbonMax™ utility blade that lasts 24X longer than standard utility blades. This knife also accepts standard utility knife blades. Ship wt .5 lb. **Lifetime Warranty.**

770030 **$19.65** **3+ $19.32** **6+ $19.12**

DAISY BASKETS AND CRIMPING TOOLS



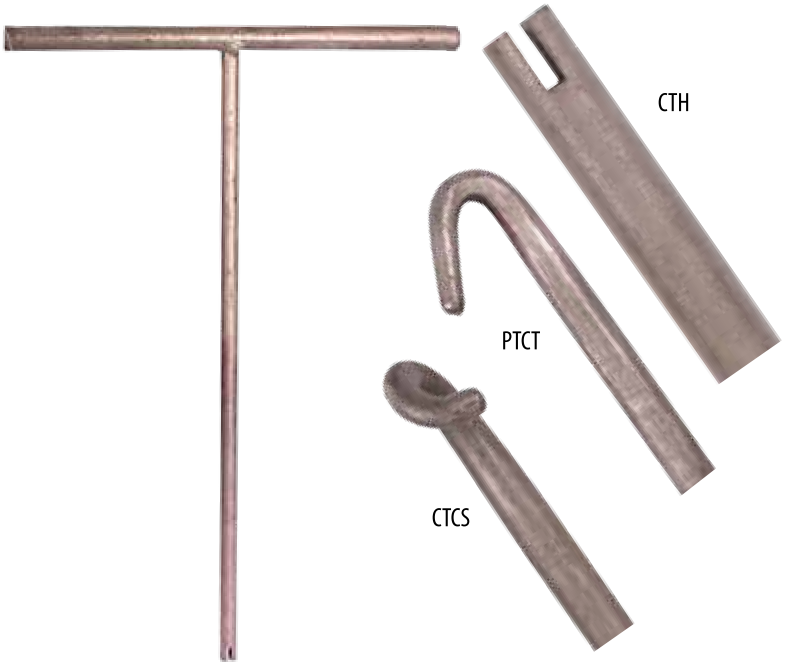
Braun
HORTICULTURE

BRAUN DAISY BASKETS

Contours to fit any shape of root ball. Strong malleable bottom and contouring petals provide complete and uniform support for the entire root ball. Made of a continuous length of wire. Easily removed in seconds when planting (if desired). Very economical to ship and store. 80DB ships motor freight. **Priced per pack.**

Item	Loops	Approx. Ball Size	Pack	Sturdy Pack	Recommended Squares	Ship wt	Per Pack	4+ Packs	8+ Packs
22DB	4	12" - 14"	25	1500	30 x 30	10 lb	**$73.08**	–	–
30DB	6	16" - 20"	25	2000	40 x 40	19 lb	**$103.45**	**$101.97**	**$101.04**
36DB	6	20" - 24"	25	2000	48 x 48	20 lb	**$106.83**	**$105.49**	**$104.65**
42DB	6	24" - 28"	25	1000	60 x 60	25 lb	**$124.92**	**$123.32**	**$122.32**
48DB	6	27" - 32"	25	1000	80 x 80	33 lb	**$149.82**	–	–
54DB	6	30" - 36"	25	1000	85 x 85	44 lb	**$203.04**	**$199.72**	**$197.64**
80DB	6	45" - 53"	25	700	108 x 108	35 lb	**$179.16**	**$176.59**	**$174.98**

CRIMPING AND MOVING TOOLS FOR B-AND-B PRODUCTION.



CRIMPING TOOLS

Tough crimping tools for tightening wire tree baskets. Made to last.

T-handle. Notched shaft. Shaft is 23" long, T-handle is 16" long overall. Ship wt 4 lb.
CTH $63.01

J-Hook. Overall length is 20". Ship wt 3 lb.
PTCT $70.88

Corkscrew. Pig tail. Ship wt 3 lb.
CTCS $75.81

ALL STEEL HAY HOOK

D-handled hook with all steel construction. 11" L overall. Ship wt .5 lb.

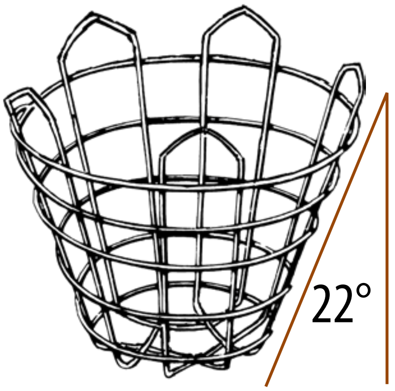
MH11 $34.57 5+ $33.46 10+ $32.77

HAY HOOK

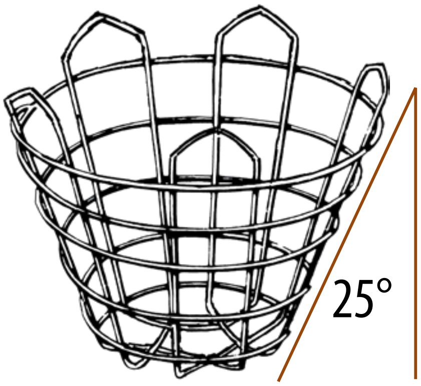
Easy to use D-grip handle hook for moving or pigtail crimping. 10-1/2" L overall. Ship wt .5 lb.

287 $36.86 5+ $35.97 10+ $35.42

CONTINUOUS WIRE FOR STRENGTH WHEN TRANSPORTING AND HANDLING



Truncated



Vermeer

Prices listed are for open bottom baskets, add $.30 per basket for welded bottom. Item# will end in "W" instead of "OP".

Braun HORTICULTURE

YOUR REPUTATION IS AT STAKE WITH EVERY TREE – COUNT ON BRAUN TO ALWAYS LOOK GOOD!

ADDITIONAL SIZES AVAILABLE!
(OR CALL TO PLACE A CUSTOM ORDER)
SHOP NOW

- For long distance travel, these hold up the best.
- Use when appearance is absolutely critical to impress the customer.
- Superior, continuous wire design is exceptionally strong and durable, with NO breakage like you often see with brittle, hard-wire baskets.
- So easy to adjust, saves labor time! With the continuous wire, one crimp adjusts for the WHOLE basket. Other designs need several crimps all around the basket for a secure fit. Nothing is more secure than continuous wire Braun!

22° TRUNCATED – Fits Caretree and Vermeer TS30, Truncated spades. **Premium** = Heavier grade wire, **Custom** = Lighter grade wire.

Item	Type	Top	Height	Base	Pack	Sturdy Pack Qty	Recommended Liners	Recommended Squares	Ship wt	Per Pack	Packs	8+ Packs
TR-22-OP	Premium	22″	12-3/4″	11-3/4″	20	1280	36 x 40	48 x 48	30 lb	**$101.49**	**$99.93**	**$98.96**
TR-24-OP	Premium	24″	14″	12-3/4″	20	960	40 x 40	54 x 54	37 lb	**$117.53**	**$115.39**	**$114.06**

25° VERMEER – Fits Vermeer TS55, TS44, TS30, and TS24 spades. Caretree 700 series and 520 modified. Also for most Dutchman spades, model 360 x 4-blade, 380, 390, 400, 420, 450, 480, and 500i. **Premium** = Heavier grade wire, **Custom** = Lighter grade wire.

Item	Type	Top	Height	Base	Pack	Sturdy Pack Qty	Recommended Liners	Recommended Squares	Ship wt	Per Pack	4+ Packs	8+ Packs
C-VR-24-OP	Custom	24″	14″	11″	20	1080	36 x 40	54 x 54	26 lb	**$103.96**	**$102.47**	**$101.54**
C-VR-28-OP	Custom	28″	16-1/4″	12-3/4″	20	960	45 x 45	60 x 60	37 lb	**$70.92**	**$69.83**	**$69.15**

PRO LINE

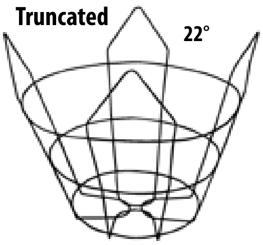
Mid-range stiff wire suitable for BOTH pigtail and "Z" crimps. Galvanized, rust-free + keeps its strength! Durable loop-and- ring construction is quality-made. Welded bottoms for extra strength.

PRO-LINE WIRE GAUGE:

24"-30" BASKETS	9 GA.
32" BASKETS	8 GA.
34"-36" BASKETS	7 GA.
40" BASKETS	6 GA.

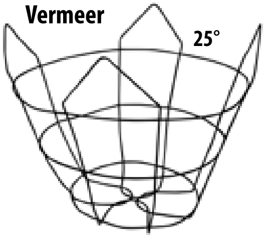
22° TRUNCATED

Item	Size	Height	Base	Pack Qty	Pallet Qty	Recommended Liners	Recommended Squares	Ship wt	Per Pack	4+ Packs	8+ Packs
P22-18-W	18″	11"	10-1/2"	25	900	36 x 30	40 x 40	25 lb	**$88.94**	–	–
P22-20-W	20″	11"	12-3/4"	25	900	36 x 30	45 x 45	34 lb	**$91.76**	**$90.55**	**$89.79**
P22-22-W	22″	13-1/2"	12-3/4"	25	900	36 x 40	48 x 48	43 lb	**$88.34**	–	–
P22-24-W	24″	13-1/2"	14"	25	900	40 x 40	54 x 54	49 lb	**$127.63**	**$125.70**	**$124.50**
P22-26-W	26″	15"	14"	25	750	40 x 45	60 x 60	52 lb	**$158.01**	**$154.94**	**$153.02**
P22-28-W	28″	18"	15"	25	750	45 x 45	60 x 60	68 lb	**$201.32**	**$196.86**	**$194.08**
P22-30-W	30″	18"	17"	25	750	45 x 50	72 x 72	80 lb	**$184.89**	**$182.27**	**$180.64**
P22-32-W	32″	20"	18"	25	625	54 x 54	80 x 80	82 lb	**$244.44**	**$239.21**	**$235.95**
P22-36-W	36″	24"	21"	10	400	54 x 60	80 x 80	47 lb	**$120.18**	–	–
P22-40-W	40″	24"	24"	10	200	60 x 60	85 x 85	60 lb	**$128.42**	–	–



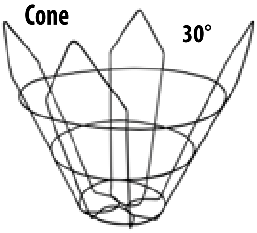
25° VERMEER

Item	Size	Height	Base	Pack Qty	Pallet Qty	Recommended Liners	Recommended Squares	Ship wt	Per Pack	4+ Packs	8+ Packs
P25-18-W	18″	11	10	25	900	36 x 30	40 x 40	25 lb	**$75.98**	–	–
P25-20-W	20″	11	12	25	900	36 x 30	45 x 45	34 lb	**$98.20**	**$96.52**	**$95.47**
P25-22-W	22″	13-1/2	12	25	900	36 x 40	45 x 45	39 lb	**$105.98**	**$103.86**	**$102.54**
P25-24-W	24″	13-1/2	12	25	900	36 x 40	54 x 54	58 lb	**$125.58**	**$123.63**	**$122.41**
P25-26-W	26″	15	12	25	900	40 x 40	60 x 60	60 lb	**$189.43**	**$183.90**	**$180.44**
P25-28-W	28″	18	12	25	900	45 x 45	60 x 60	68 lb	**$185.54**	**$181.85**	**$179.54**
P25-30-W	30″	18	14	25	750	45 x 50	72 x 72	72 lb	**$156.73**	–	–
P25-32-W	32″	20	16	25	625	45 x 50	72 x 72	88 lb	**$225.99**	**$219.61**	**$215.63**
P25-36-W	36″	24	16	10	400	54 x 54	80 x 80	47 lb	**$119.08**	**$117.57**	**$116.62**
P25-40-W	40″	24	20	10	200	60 x 60	90 x 90	63 lb	**$141.49**	–	–
P25-44-W	44″	26	20	5	200	72 x 72	90 x 90	34 lb	**$87.85**	–	–



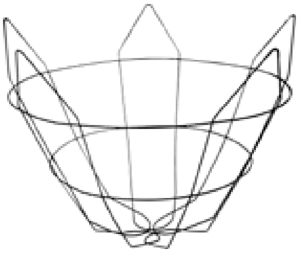
30° CONE

Item	Size	Height	Base	Pack Qty	Pallet Qty	Recommended Liners	Recommended Squares	Ship wt	Per Pack	4+ Packs	8+ Packs
P30-20-W	20″	11"	9"	25	900	36 x 30	40 x 40	32 lb	**$84.12**	**$83.18**	**$82.59**
P30-24-W	24″	13-1/2"	10"	25	900	36 x 40	54 x 54	38 lb	**$113.22**	**$110.10**	**$108.16**
P30-28-W	28″	18"	11"	25	900	40 x 45	60 x 60	57 lb	**$169.97**	**$167.36**	**$165.73**
P30-32-W	32″	20"	13"	25	625	54 x 54	72 x 72	82 lb	**$206.43**	**$203.14**	**$201.08**
P30-36-W	36″	24"	14"	10	400	54 x 54	80 x 80	44 lb	**$110.89**	–	–
P30-40-W	40″	24"	16"	10	200	60 x 60	80 x 80	58 lb	**$126.54**	–	–



OPTIMAL

Item	Size	Height	Base	Pack Qty	Pallet Qty	Recommended Liners	Recommended Squares	Ship wt	Price	4+	8+
OPT-20	20″	10"	14"	25	200	36 x 30	45 x 45	42 lb	**$183.44**	**$177.57**	**$173.90**
OPT-24	24″	10"	18"	25	200	40 x 40	54 x 54	44 lb	**$64.65**	**$62.71**	**$61.49**
OPT-28	28″	11"	22"	25	200	40 x 45	60 x 60	59 lb	**$176.90**	**$171.58**	**$168.26**
OPT-32	32″	16"	20"	25	200	45 x 50	72 x 72	78 lb	**$217.44**	**$210.90**	**$206.82**
OPT-36	36″	18"	21"	10	100	54 x 54	80 x 80	37 lb	**$111.20**	**$109.42**	**$108.31**
OPT-40	40″	18"	22"	10	100	60 x 60	90 x 90	50 lb	**$126.11**	**$124.19**	**$123.00**



NO RABBIT DAMAGE!
NO ANTLER RUB DAMAGE!

LEONARD TREE BARK PROTECTORS

Deer, squirrels, rabbits and woodchucks cannot bite or rub tree bark through this rigid plastic mesh. Trunks are shielded by open mesh, which prevents moisture and mildew buildup. Also, the protectors won't harbor insects and animals, and won't inhibit growth. These tubes are more attractive than other solutions and designed to blend in. Flexible and easy to install, in three lengths, 4″ diameter. **Sold as a bundle of 5 protectors, priced per bundle. Made in the USA.**

NOTE: Due to nested packaging, outer guards will need to be compressed back into shape during installation. Tying them together with a twist-tie will do the trick.

Item	Diameter	Length	Ship wt	Price	8+	16+
BG24	4″	2′	2 lb	**$19.29**	**$18.80**	**$18.49**
BG36	4″	3′	3 lb	**$27.16**	**$26.47**	**$26.03**
BG48	4″	4′	5 lb	**$38.27**	**$37.29**	**$36.68**
TG24	6″	2′	2 lb	**$21.94**	**$21.35**	**$20.98**
TG36	6″	3′	3 lb	**$31.18**	**$30.34**	**$29.82**
TG48	6″	4′	5 lb	**$42.58**	**$41.43**	**$40.72**

LEONARD MESH PANEL TREE GUARDS

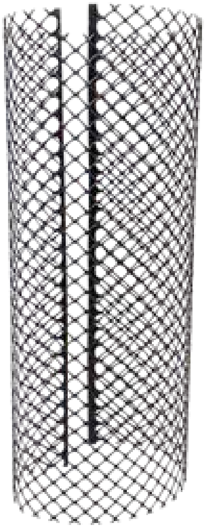
Protects both new and mature trees and shrubs from animal and light mechanical damage. The 48" x 47" cut size will create up to a 15" diameter guard. Simply over wrap if a smaller diameter is desired. The cut sheets come in a 10 count box which can be conveniently placed at installation site. For established trees, wrap the mesh around the tree trunk and secure back to itself with your favorite ties (top, middle, and bottom). For tree/shrub seedlings and young trees, wrap around and secure the mesh at each side to a 5'+ stake. A stake at each side of wrapped guard may be necessary in some applications. Guards are produced from High Density Polyethylene with mesh openings of 1-3/8" diamond with 1/8" strand thickness. Long lasting and re-usable. Black.

10 pack. Ship wt 16.9 lb.

4815G	**$149.29**	**8+ $146.81**	**16+ $145.26**

250 ct. Pallet. SHIPS MOTOR FREIGHT

4815G-B	**$2,654.69**



**Protect whole plants!
Link together to make even bigger enclosures.**

LEONARD VINYL 1-1/2" AND 2" TREE GUARDS

Get super savings on tough vinyl tree guards, built to our own standards for durability, weather resistance and easy use. Leonard's guards install quickly, offer economical, reusable protection from rabbits, rodents and mechanical damage. Remove and reinstall annually to avoid girdling. Choose from 1-1/2″ or 2″ in diameter.
Sold by case.

Item	Dia.	Height	Case	Ship.	Price	8+	16+
18TPC	1-1/2″	18″	250	19 lb	**$129.70**	**$126.05**	**$123.77**
24TPC	1-1/2″	24″	250	26 lb	**$154.95**	**$151.32**	**$149.05**
36TPC	1-1/2″	36″	250	33 lb	**$224.77**	**$220.30**	**$217.51**
224TPC	2″	24″	250	34 lb	**$164.76**	**$160.08**	**$157.15**
236TPC	2″	36″	200	43 lb	**$179.98**	**$183.08**	**$185.02**
248TPC	2″	48″	200	56 lb	**$279.15**	**$272.84**	**$268.90**

PROTECTS AGAINST SHIPPING DAMAGE

AS LOW AS $.51 A SHEET TO PROTECT ONE TREE!

HEAVY DUTY KRAFT PAPER AND POLYETHYLENE FILM TREE GUARDS

Tree Hugger guards are economical and easy to apply, no tools needed! Inner foam cushioning protects against shipping damage to your stock, as well as reducing damage from wildlife. Self-adhesive foam seals itself for solid protection without ties or staples. Easy to remove and leaves no residue. Economical and effective, a favorite for containers! 1/16" closed cell foam attached to a white polyethylene film. **Sold on perforated 500' rolls.**

Item	Sheet Size	Sheets	Tree Dia.	Ship wt	Price	6+	12+
TH818	8" x 18"	333	1-3/4"	6 lb	**$219.06**	**$212.10**	**$207.75**
TH1024	10.25" x 20"	300	2-1/2"	8 lb	**$277.60**	**$268.99**	**$263.61**
TH1230	12" x 30"	200	3"	11 lb	**$265.06**	**$259.70**	**$256.34**

HEAVY DUTY KRAFT PAPER GUARD

Each of these heavy duty kraft paper guards has 1/16" closed cell foam that is laminated to heavy duty 42 lb kraft inner board. These Tree Hugger guards are economical and easy to apply, no tools needed! Inner foam cushioning protects against shipping damage to your stock, as well as reducing sunscald and damage from wildlife. Simply fold sheet flat around the trunk and squeeze. Self-adhesive foam seals itself for solid protection without ties or staples. Easy to remove and leaves no residue. Volume pricing and custom sizes available; just call your account manager or our office. **Sold in bundles of 100.**

Item	Size	Ship wt	Price	6+	12+
758FG	7-1/2" x 18"	5 lb	**$88.62**	**$85.85**	**$84.12**

04TW

36TW

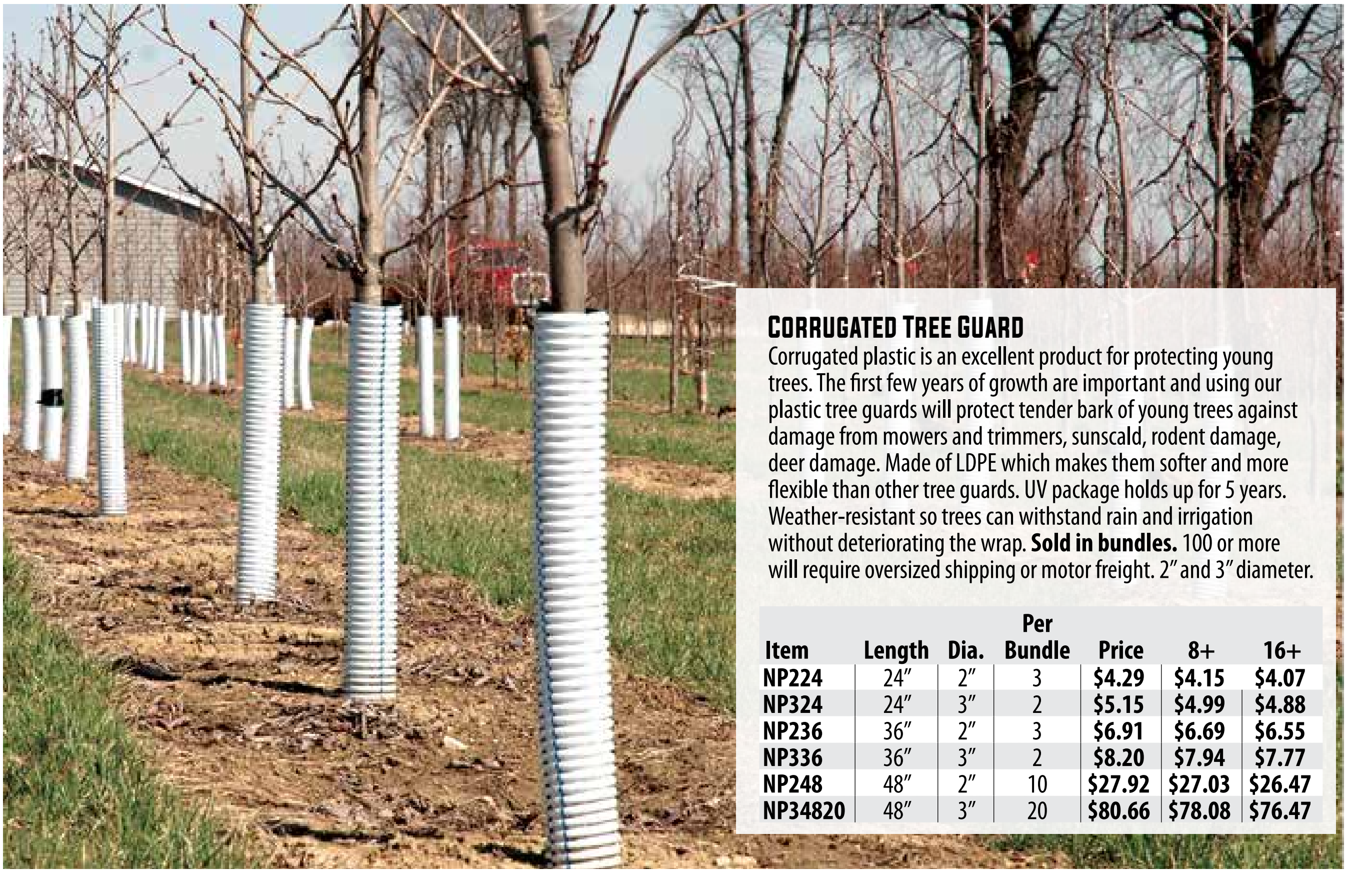
COVER MORE AREA AT ONCE TO GET THE JOB DONE FASTER WITH THE 36" TREE WRAP!

LEONARD CRINKLED PAPER TREE WRAPS

Waterproof, crinkled to over 25% stretch. Protect fruit and shade trees against sunscald, moisture loss, insects and shipping damage. Tie with jute twine. 150' per roll. In three widths. Priced per roll.

Item	Size	Ship wt	Price	8+	16+
04TW	4" x 150'	3 lb	**$35.28**	**$34.15**	**$33.45**
06TW	6" x 150'	4 lb	**$50.89**	**$49.26**	**$48.24**
36TW	36" x 150'	17 lb	**$154.30**	**–**	**–**

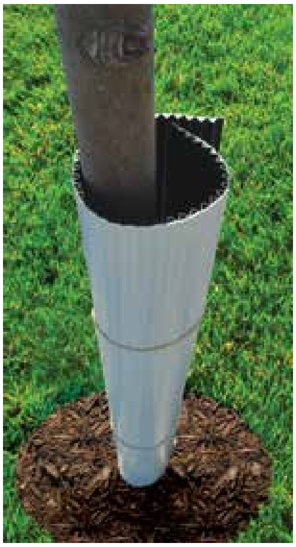
EFFECTIVE, AFFORDABLE, AND QUICK TO INSTALL TREE GUARDS



CORRUGATED TREE GUARD

Corrugated plastic is an excellent product for protecting young trees. The first few years of growth are important and using our plastic tree guards will protect tender bark of young trees against damage from mowers and trimmers, sunscald, rodent damage, deer damage. Made of LDPE which makes them softer and more flexible than other tree guards. UV package holds up for 5 years. Weather-resistant so trees can withstand rain and irrigation without deteriorating the wrap. **Sold in bundles.** 100 or more will require oversized shipping or motor freight. 2″ and 3″ diameter.

Item	Length	Dia.	Per Bundle	Price	8+	16+
NP224	24″	2″	3	**$4.29**	**$4.15**	**$4.07**
NP324	24″	3″	2	**$5.15**	**$4.99**	**$4.88**
NP236	36″	2″	3	**$6.91**	**$6.69**	**$6.55**
NP336	36″	3″	2	**$8.20**	**$7.94**	**$7.77**
NP248	48″	2″	10	**$27.92**	**$27.03**	**$26.47**
NP34820	48″	3″	20	**$80.66**	**$78.08**	**$76.47**



CORRUGATED PLASTIC TREE GUARD

Protection during transport and while digging. Guards against pest damage (especially deer antler rub). Helps to prevent sun scald. Prevents damage from weed-whackers and mowers. HDPE black inside/white outside construction. UV stabilized. Durable and reusable. Install with twine, tape, or ties. Priced per bundle of 25. **Sold in bundles of 25.**

Item	Size	Price	6+	12+
CG2408	24″ x 8″	**$29.65**	**$28.76**	**$28.20**
CG3212	32″ x 12″	**$69.28**	**$67.26**	**$66.00**
CG4812	48″ x 12″	**$80.38**	**$78.29**	**$76.99**

4-5 YEAR LIFESPAN

MAX GROW TUBE TREE SHELTERS

Provides a mini-greenhouse on each plant which accelerates growth, reduces drought stress, increases terminal stem and root development, and blocks weed growth. Protects seedling from animals, wind damage and climate conditions. Includes pre-installed ties and netting to go over the top to protect young saplings from pesky birds. Flared top protects the plant as it emerges from the tube. Cuffed bottom for added support. Vented on top to allow the plant to properly harden off or dry out in moist climates. Unvented bottom to protect seedling from chemical overspray. Designed with the 'Razor Line' so the tube slits as the tree grows. Life of 4 to 5 years. **Made in the USA** of 100% recycled products. **Packaged and sold in bundles of 5.** Diameters range from 3" to 4.5". Tree stakes not included.

Item	Length	Price	5+	10+
MG24	2′	**$17.00**	**$16.46**	**$16.12**
MG36	3′	**$23.69**	**$22.93**	**$22.46**
MG48	4′	**$24.71**	**$23.92**	**$23.43**
MG60	5′	**$28.61**	**$27.69**	**$27.12**

A LOW PRICE FOR QUALITY HARDWOOD!

HARDWOOD STAKES

Made from solid hardwood, these tree stakes are ideal for outdoor use in staking or guying. **Sold in bundles of 25.** Various lengths to choose from. Larger quantities, please call for quote.

Item	Length	Ship wt	Price	5+	10+
SK2	24″	18 lb	**$35.94**	**$34.99**	**$34.40**
SK3	35″	28 lb	**$37.76**	**$36.76**	**$36.13**
SK4	47″	36 lb	**$62.89**	**$60.88**	**$59.62**
SK5	58″	51 lb	**$53.21**	**$51.92**	**$51.12**

INCREASE SURVIVAL ODDS

TREE PRO SLIT TUBE TREE SHELTER

Eliminate the problem of excessive heat buildup by allowing tree planters to open the protector up in the fall of the year to allow trees to go dormant. Even though that's still an option, it is no longer necessary in all but the most extreme cases, thanks to venting. 4-5 year life. Top netting included. Shipped flat for consistent tube diameters. **Bundle of 5.**

Item	Length	Price	6+	12+
TP24	2′	**$14.99**	**$14.51**	**$14.21**
TP36	3′	**$19.31**	**$18.69**	**$18.31**
TP48	4′	**$25.57**	**$24.75**	**$24.24**
TP60	5′	**$28.42**	**$27.51**	**$26.94**

WEED PROTECTION FOR NEWLY PLANTED SAPLINGS!

COCO WEED GUARDS

The natural alternative to weed control. Weeding pots is a time-consuming, expensive and back-breaking task. Can block weed growth (including liverwort) in your containers. Air still circulates, allowing roots to breathe and will not attract or trap heat like plastic disks. 100% natural, biodegradeable. No more weeding or spraying expensive/dangerous herbicides around your containers: Ideal for sensitive plants! Also improves water conservation.

- Air can penetrate, allowing roots to breathe
- Will not attract or trap heat
- Chemical-free weed control
- Biodegradable
- Less watering due to reduced evaporation
- Thick and heavy enough to stay in place in winds

Item	Diameter CM/INCH	Qty Per Case	Case wt	Price Cases	5+ Cases	10+ Cases
CD60A	60 cm/23.62″	50	59 lb	**$92.50**	**$90.57**	**$89.36**
CD90A	90 cm/35.43″	15	70 lb	**$88.97**	**$86.33**	**$84.69**

VERSATILE TYING OPTIONS

LEONARD TREE TIE WEBBING

It is soft, smooth and will not harm tree trunks. The soft webbing design makes it a safe alternative to the traditional wire and hose system. It has a unique lock stitch design that won't unravel. Tree Tie Webbing can be secured to any stake or anchor. Low stretch has a tensile strength of 900 lb. Recommended for trees up to 5" diameter. 3+ years of life! **Available in olive green or white.** **MADE IN THE USA.**

LT250W
LT500G
LT50G

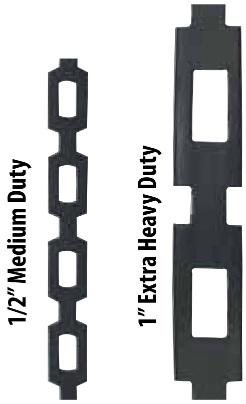
Item	Dimensions	Color	Ship wt	Price	4+	8+
LT50G	3/4" x 50'	Green	1 lb	**$24.91**	**$24.11**	**$23.61**
LT250G	3/4" x 250'	Green	4 lb	**$40.98**	**$40.09**	**$39.53**
LT250W	3/4" x 250'	White	3 lb	**$38.73**	**$38.02**	**$37.57**
LT500G	3/4" x 500'	Green	6 lb	**$92.31**	**$89.36**	**$87.51**
LT500W	3/4" x 500'	White	5 lb	**$102.31**	**$99.04**	**$96.99**
LT3000G	3/4" x 3000'	Green	35 lb	**$479.74**	**$467.27**	**$459.47**

LEONARD ADJ-A-TYE CHAIN LOCK

Heavy duty poly chain lock, made to A.M. Leonard's specifications for strength and value! Just slip through, twist, and lock—adjustable lock makes staking quick and easy. Great for bracing overloaded fruit tree limbs. No waste—just cut off what you need! Black finish, with convenient dispensing reel that keeps it neat, under control—eliminates waste, lost time. Available in medium or heavy weight, with hundreds of uses!

Adj-A-Tye: Poly – A blend of poly materials that provides good strength and rigidity, yet is easier to handle and less damaging to trees than other stiff ties on the market.

Adj-A-Tye: Rubber – EPDM rubber material is a great option when an even softer and elastic tie is required.



Item	Material	Duty	Width	Length	Price	4+	8+
3105RS	Rubber	Medium	1/2"	50'	**$10.83**	**$10.48**	**$10.27**
3105	Poly	Medium	1/2"	250'	**$40.74**	**$39.95**	**$39.45**
3105S	Rubber	Medium	1/2"	250'	**$38.96**	**$37.81**	**$37.09**
5105RS	Rubber	Extra-Heavy	1"	50'	**$21.82**	**$21.12**	**$20.69**
5105	Poly	Extra Heavy	1"	100'	**$46.15**	**$44.67**	**$43.75**
5105S	Rubber	Extra Heavy	1"	100'	**$48.03**	**$46.49**	**$45.53**

LEONARD POLYESTER WEBBING ROPE

This multi-purpose polyester webbing is doubled over and stitched providing a significant 3000 lb break strength, at just 1/2" width. In addition to high strength, the polyester material has improved UV resistance over polypropylene webbing, making it a good choice for longer term outdoor applications. Cut and use at any length because the webbing has a lock stitched design and won't unravel. The material is also soft so it will prevent any damage to plant material and is easy on the hands. The uses are endless: in place of wire as a horizontal support line for container stock; for extended-term large tree staking; large B&B basket tie; equipment tie down lines; utility vehicle tow lines; and much more. **Packaged in a netted bag at 1000'.** Pull out and cut to whatever length is needed. Dyed light green in color.

TB1000G	**$459.04**

TE BINDING TUBE

Nylon sack filled with coiled binding tube. Nylon sack doubles as a dispenser. Attaches to your belt for easy dispensing. Use TE binding tube tie when extra strength is needed! Easy and convenient to use. Ideal for when standard tying tape isn't strong enough. Available in three sizes.

Item	Dimensions	Ship wt	Price	5+	10+
TE3	3mm x 656'	3 lb	**$19.42**	–	–
TE5	5mm x 1968'	10 lb	**$87.86**	**$86.64**	**$85.89**
TE7	7mm x 1148'	11 lb	**$94.67**	**$92.24**	**$90.72**

PLANT TYING MADE EASY!

TS507

TS516

LEONARD TOOL SHEATH

Have your Max Tapner conveniently at your side for quick use and to help prevent any accidental damage. The bottom front pouch and snap strap keeps the tool stored securely but also quickly accessible. Buffalo leather material. 2” belt loop, 16” length. Ship wt .75 lb.

TS516 $33.84 4+ $33.28 8+ $32.92

BELT

LEONARD BELT POUCH

Universal use for small items such as phones, tapes, first-aid, or anything else you’d need to carry. Fits up to 2” belts. Snap front closure, Buffalo leather material, 7”W x 5”H. Ship wt .4 lb.

TS507 $30.52 4+ $30.01 8+ $29.69

29 to 46” adjustable belt
BELT $7.22 3+ $7.06 6+ $6.95

IMPROVED!

MAX TAPENER Nurserymen, tree growers, vineyards, and orchards have all experienced the time-saving potential of the Max Tapener®. Simply squeeze the handle to stretch tape between the jaws and it is ready to wrap the stem. A second squeeze staples and cuts off the tape. It is that easy! Lighter weight with a large jaw enables the HT-R45L to bind up to 45 mm at once. Reinforced hinge in the tape magazine can save you time to refill a tape. A jam clearing stick is also built into the tying machine to clear any jams that may occur when in use. **Tie ribbon, staples, and spare blades sold separately.**

Item	Description	Price	5+	10+
HTR45L	Hand- Tying Machine	**$81.26**	**$79.92**	**$79.08**
MXBLR	Replacement Blades 2 pc.	**$16.87**	**$16.33**	**$15.99**
MXST	Max staples, 4800/box.	**$8.65**	**$8.37**	**$8.20**

PLANT TIE TAPE

For hand tying or use with the Max Tapener. Green ribbon stretches with plant growth, blends in for a natural look. For staking and tying in a wide variety of thicknesses, widths and lengths. **403GP has a white embossed** finish to prevent sticking, jamming in warm weather. 1/2" tapes fits Max Tapener (HTB2).

Item	Width	Length	Qty	Color	Mil	Price	5+	10+
608MT-24	1/2"	60'	24	Green	8	**$35.59**	–	–
806MT-24	1/2"	80'	24	Green	6	**$36.98**	–	–
124MT-24	1/2"	120'	24	Green	4	**$50.54**	**$49.50**	**$48.84**
403GP-24	1/2"	140'	24	White	8	**$95.27**	**$92.22**	**$90.32**
402GP-24	1/2"	150'	24	Green	8	**$76.78**	**$74.45**	**$72.99**
401GP-24	1/2"	215'	24	Green	6	**$79.94**	**$77.38**	**$75.78**
400GP-24	1/2"	300'	24	Green	4	**$86.45**	**$83.86**	**$82.25**
406GP-12	1"	100'	12	Green	12	**$78.05**	**$75.62**	**$74.10**
405GP-12	1"	150'	12	Green	8	**$75.25**	**$73.04**	**$71.66**

1/2" MIRACLE FLAGGING TAPE, PACK OF 24

Non-adhesive plant tie/flagging tape features a durable vinyl construction. This 1/2" wide tape measures 4 mils in thickness and comes in 130' rolls. Each pack contains 24 rolls of tape. Miracle Flagging Tape works well for hand tying. It is the perfect size for the Max Tapener Hand-Tying Machine. This tape is perfect for nearly any task and the smaller rolls size makes them a more affordable option. Their vinyl construction is durable enough for outdoor use. The wide color variety gives you plenty of options and stands out in any environment!

Item	Length	Color	Price	5+	10+
MT-1R-24	130'	Red	**$40.43**	**$39.72**	**$39.27**
MT-2W-24	130'	White	**$40.43**	**$39.72**	**$39.27**
MT-3B-24	130'	Blue	**$40.43**	**$39.72**	**$39.27**
MT-4Y-24	130'	Yellow	**$40.43**	**$39.72**	**$39.27**
MT-50-24	130'	Glo Orange	**$40.43**	**$39.72**	**$39.27**
MT-6P-24	130'	Glo Pink	**$40.43**	**$39.72**	**$39.27**
MTL-2W-24	300'	White	**$59.02**	**$57.85**	**$57.11**
MTL-3B-24	300'	Blue	**$61.17**	**$59.96**	**$59.20**
MTL-4Y-24	300'	Yellow	**$58.95**	**$57.91**	**$57.27**
MTL-50-24	300'	Glo Orange	**$58.95**	**$57.91**	**$57.27**
MTL-6P-24	300'	Glo Pink	**$61.17**	**$59.96**	**$59.20**

FIRST CUT BAMBOO

NATURAL, RENEWABLE & AFFORDABLE

NATURAL FIRST CUT BAMBOO

Top quality bamboo with straight, flexible shafts. The growth rings, or nodes, along the length of the cane naturally vary in spacing. Sturdy and long lasting. Buy by the bale and save. Tie with a variety of twines to create an unending variety of supports. Available at amleo.com.

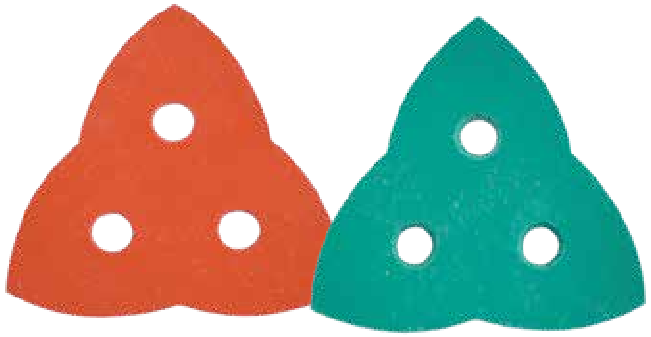
Item	Length	Dia. (Inches)	Dia. (mm)	Bundle	Ship wt	Price	4+	8+
N36	3′	7/16″	10-12mm	500	35 lb	**$118.80**	**$115.43**	**$113.32**
N3612	3′	1/2″	12-14mm	250	25 lb	**$69.18**	**$67.22**	**$65.99**
N4838	4′	3/8″	8-10mm	500	46 lb	**$169.88**	**$165.06**	**$162.05**
N481012	4′	7/16″	10-12mm	250	34 lb	**$83.10**	**$80.74**	**$79.27**
N48	4′	1/2″	12-14mm	250	45 lb	**$102.18**	**$99.28**	**$97.47**
N60716	5′	7/16″	10-12mm	250	50 lb	**$103.98**	**$101.03**	**$99.19**
N60	5′	1/2″	12-14mm	250	55 lb	**$131.28**	**$127.56**	**$125.23**
N601	5′	1″	24-26mm	50	35 lb	**$75.50**	**$73.36**	**$72.02**
N72	6′	1/2″	12-14mm	250	70 lb	**$171.15**	**$166.40**	**$163.44**
N7234	6′	3/4″	18-20mm	100	47 lb	**$94.08**	**$91.41**	**$89.74**
N721	6′	1″	24-26mm	50	44 lb	**$88.62**	**$86.11**	**$84.53**
N8412	7′	1/2″	12-14mm	200	52 lb	**$182.10**	**$176.93**	**$173.70**
N84	7′	5/8″	14-16mm	125	68 lb	**$128.96**	**$125.30**	**$123.01**
N8434	7′	3/4″	18-20mm	100	64 lb	**$117.98**	**$114.63**	**$112.54**
N841	7′	1″	24-26mm	50	51 lb	**$97.10**	**$94.35**	**$92.62**
N96	8′	7/8″	22-24mm	50	50 lb	**$123.76**	**$120.25**	**$118.05**
N9601	8′	1″	24-26mm	50	55 lb	**$107.90**	**$104.84**	**$102.93**
N108	9′	1″	24-26mm	50	65 lb	**$154.28**	**$149.90**	**$147.17**
N1201	10′	1″	24-26mm	40	55 lb	**$129.46**	**$125.79**	**$123.49**
N144	12′	1-1/4″	30-32mm	25	54 lb	**$134.26**	**$130.45**	**$128.07**

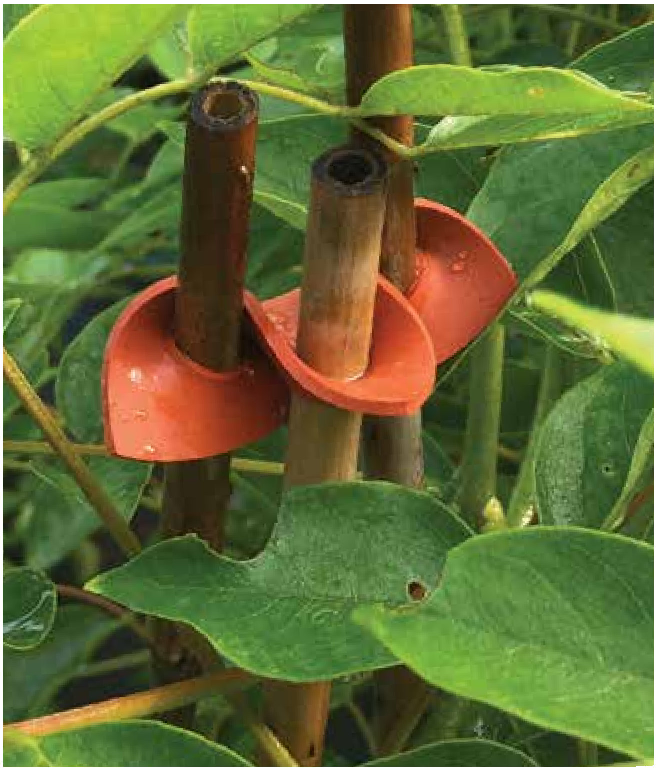
GREEN-DYED FIRST CUT BAMBOO

It's all about aesthetics. This is our top-quality first cut bamboo; green-dyed to blend into the landscape. Hand-selected bamboo is three times stronger than wood, ideal for field staking, in the greenhouse, or gardening. Value priced per bale.

Item	Size	Bale ct	Ship wt	Price	4+	8+
30BB	3/16″ x 30″	1000	40 lb	**$143.42**	**$139.35**	**$136.81**
36BB	5/16″ x 36″	1000	50 lb	**$137.40**	**$133.50**	**$131.07**
48BB	3/8″ x 48″	500	50 lb	**$174.62**	**$169.67**	**$166.57**

DYED GREEN TO BLEND IN!





500-PACK BAMBOO STAKE CONNECTORS

These Bamboo Stake Connectors have a durable silicone rubber construction. Each connector features three pre-punched holes. These holes stretch to accept stakes up to 1" in diameter. Choose from either red or green connectors below. Each package contains 500 connectors. **Made in the USA!** Ship wt 2 lb.

GC500R	Red	**$182.94**
GC500G	Green	**$173.30**

LONG-LASTING STAKING SOLUTIONS!

- Long life
- Heat sealed caps
- More tie off areas
- Attractive look

TAKIRON STEEL STAKES

Superior staking for plants and young trees. The first thing you'll notice is the stake design, which is similar to bamboo. However, this stake offers a 7-10 year life, with reported cases of even longer use. Steel stakes are coated with an environmentally friendly polyolefin, and the end caps are heat sealed — ensuring long life without cracking or rusting. Stakes allow slight flex for natural tree and plant development and are ideal for young trees and containerized plants. **8′ length will ship via motor freight.** Sold in bundles of 10.

Item	Length	Dia.	Ship wt	Price	4+	8+
84TSK	4'	3/8″	2 lb	**$27.10**	**$26.42**	**$25.99**
114TSK	4'	7/16″	3 lb	**$35.78**	**$34.88**	**$34.31**
115TSK	5'	7/16″	3 lb	**$38.82**	**$38.17**	**$37.77**
116TSK	6'	7/16″	4 lb	**$50.46**	**$49.36**	**$48.67**
166TSK	6'	5/8″	6 lb	**$147.51**	**$142.79**	**$139.84**
206TSK	6'	3/4″	9 lb	**$108.21**	**$106.62**	**$105.62**
167TSK	7'	5/8″	6 lb	**$179.26**	**$173.52**	**$169.94**
168TSK	8'	5/8″	7 lb	**$120.71**	**$117.31**	**$115.19**
208TSK	8'	3/4″	12 lb	**$136.60**	**$135.11**	**$134.18**

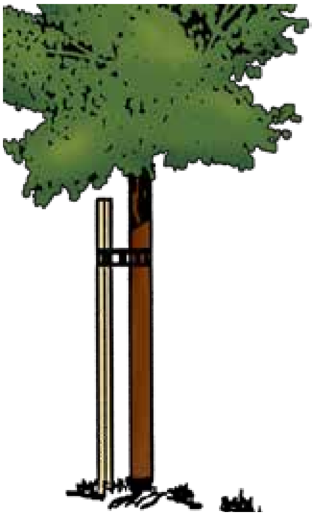
CALL FOR SPECIAL PRICING ON 2,000 OR MORE!

WOOD TREE STAKES

Stake trees quickly, economically with these wooden tree stakes. 1-1/2″ square wood, chiseled on one end for easy penetration. Choose 6′ or 8′ lengths. Packed 10 per bundle. **8′ length, and quantities of 3 or more bundles ship via motor freight.**

6WS 6' Ship wt 56 lb
$89.33 **4+ $86.47** **8+ $84.68**

8WS 8' Ship wt 90 lb
$85.03 **4+ $82.87** **8+ $81.53**

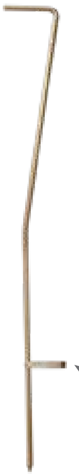


TAKES THE WORK OUT OF PLACING STAKES IN THE GROUND!

DRIVEWAY STAKE DRIVER TOOL

Simple and strong, this stake driver punches a 7″ deep hole; taking the work out of placing fiberglass driveway stakes or markers. Welded step allows for firm foot placement and pressure to simply push the driver into the ground using your own weight. No more hammering wobbly stakes into the cold turf. 3/8″ diameter metal rod, measuring 35″ overall. Ship wt 2.5 lb.

DSD4 **$40.49** **3+ $39.76** **6+ $39.30**



THE WELDED STEP ALLOWS FOR EASY DRIVING OF STAKES

8-YEAR STAKES AT ECONOMICAL PRICES!

3/4"
5/8"
1/2"
3/8"
1/4"

FIBERGLASS TREE STAKES

These flexible stakes allow for movement during windy conditions, yet limit the range, to reduce permanent damage during high winds. This natural movement stimulates root establishment and allows for max growth potential. The fiberglass stakes include UV inhibitors which allows for a life expectancy of about 8 yrs. Reduced tree damage, no replacement costs, lower labor costs. Pointed tips for easier insertion into the ground. Light gray in color. **8' stakes will ship via motor freight.**

Item	Length	Dia.	Qty.	Price	7+	14+
ES1406-40	6′	1/4″	40	**$49.57**	**$47.98**	**$46.99**
ES3806-20	6′	3/8″	20	**$38.82**	**$37.82**	**$37.20**
ES1206-15	6′	1/2″	15	**$49.28**	**$48.02**	**$47.23**
ES1208-15	8′	1/2″	15	**$57.92**	**$56.78**	**$56.06**
ES5808-10	8′	5/8″	10	**$64.60**	**$62.53**	**$61.24**
ES3408-10	8′	3/4″	10	**$118.66**	**$114.86**	**$112.49**
ES1210-12	10′	1/2″	12	**$67.01**	**$65.15**	**$63.98**
ES5810-10	10′	5/8″	10	**$98.21**	**$95.07**	**$93.10**
ES3410-10	10′	3/4″	10	**$106.56**	**$104.55**	**$103.29**

1/2″ diameter
5/8″ diameter
3/4″ diameter

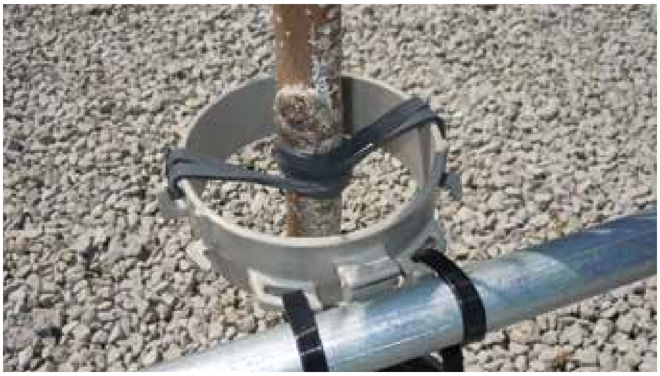
DURABLE FIBERGLASS STAKES THAT LAST 25+ YEARS!

FIBERSTAKE FIBERGLASS TREE STAKES

Flexible stakes allow movement during windy conditions, yet limit the range to reduce permanent damage during high winds. This natural movement stimulates root establishment and allows for maximum growth potential. The fiberglass stake includes a UV resin veil, which allows for maximum life in the field. Life expectancy is in excess of 25 years. The initial purchase price is offset within 3-4 years by: reduced tree damage, no replacement costs, lower labor costs. **8′ lengths and larger volumes ship motor freight.** Packed 10 per bundle.

Item	Length	Dia.	Ship wt	Price	4+	8+
FS1206-10	6'	1/2″	1 lb	**$53.87**	**$52.72**	**$52.00**
FS1208-10	8'	1/2″	2 lb	**$70.74**	**$69.29**	**$68.38**
FS5808-10	8'	5/8″	3 lb	**$94.28**	–	–
FS3408-10	8'	3/4″	3 lb	**$131.08**	**$129.63**	**$128.73**
FS5810-10	10'	5/8″	3 lb	**$123.51**	**$121.99**	**$121.03**
FS3410-10	10'	3/4″	4 lb	**$166.34**	**$164.33**	**$163.08**

TRELLIS SUPPORT SYSTEMS

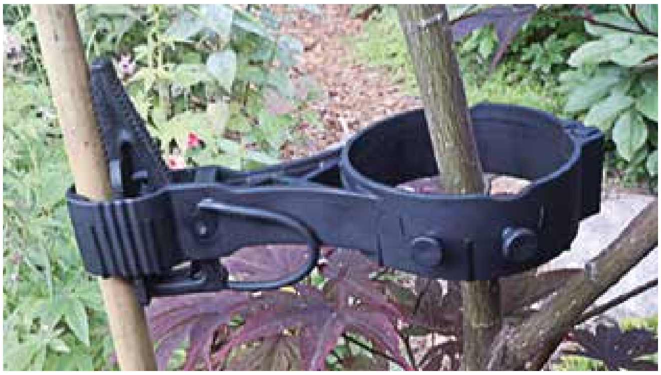


TRELLIS MATE TREE SUPPORT SYSTEM WITH EPDM BANDS

Flexible support for containerized trees up to 2-1/2" in diameter on horizontal cable, wire, rail, or pipe! Includes your choice of EPDM bands or anti-chafing Bark Saver tape liners. Eliminates pot staking and blow-over. Reusable year after year. Durable, non girdling, easy to use. Can be used with posts in landscaping. Includes 2 heavy duty 8" cable ties per support. Perfect for stabilizing container grown trees while allowing for slight movement. TR1 - with long lasting EPDM bands for support and training.

TR1 $5.31 6+ $5.14 12+ $5.03

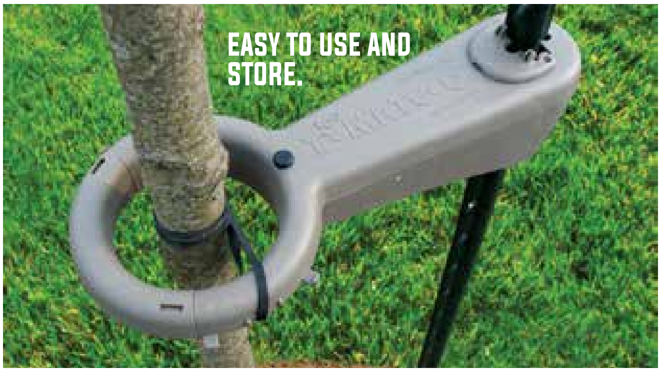
With Bark Saver Foam Strip
TR2 $4.03 6+ $3.94 12+ $3.88



GROBOT TREE AND PLANT SUPPORT, PACK OF 3

GroBot, a new multifunctional support for both trees and plants, is now available from T-Mate-O, LLC. Designed for small trees, flowers and vegetable plants, this anticipated support fits on essentially any post. Connecting to stakes (bamboo, plastic or metal), a rod or light duty U post, GroBot is perfectly suitable for whatever a homeowner may have already stored in their garage. Used solo or in multiples on a single post (under 1-in diameter), GroBot provides essential, but natural, support for a variety of small trees and plants through its flexible design. Even though it is discreet, pliable, reusable, recyclable and durable, this unique new product is inexpensive and effective for numerous applications. Package of 3.

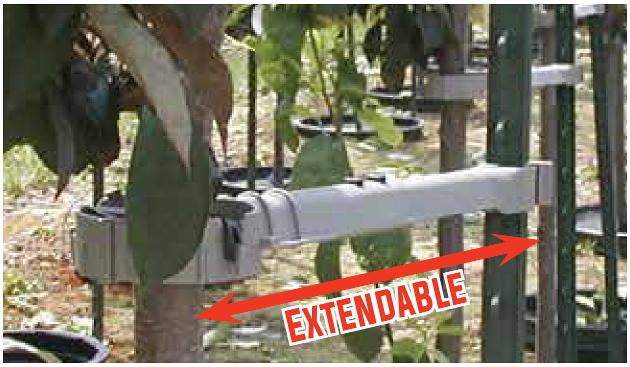
GB10 $7.60 8+ $7.40 16+ $7.27



TREE-MATE-O SUPPORT SYSTEM

Tree-Mate-O™ supports are supports are durable, adjustable, and have a cleaner appearance compared to traditional staking. There are no wires to trim around or trip over, making them safer while saving time. 3" sections have wide vertical sides that protect the tree trunk and allow trees to sway, producing quicker root strength, and improved trunk taper and form. Side tabs and rubber bands provide flexible support making them great for all types of trees. Fits both "T" and "U" posts. Priced each. Ship wt .5 lb.

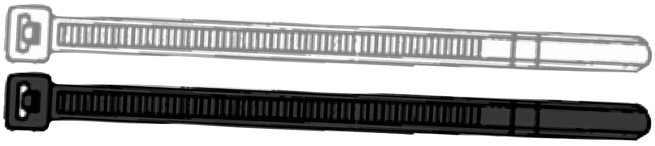
TR05 $11.91 6+ $11.53 12+ $11.29



TREE-MATE-O TELESCOPING TREE SUPPORT

Use with your T posts to encircle your trees, while allowing some sway for best growth in landscaping, growing and holding applications. Telescopes from 10" to 15". Installs on either side of a T post (for one tree), or on both sides to hold 2 trees. Use in tandem to assist in straightening trunks. Cradle or cushion trunk with long-lasting EPDM rubber band (included) or use Bark Saver liners. Recommended for trees up to 2" in diameter. Ship wt .5 lb.

TPRO $13.85 6+ $13.41 12+ $13.13



NYLON CABLE TIES

These easy to use nylon cable ties have a unique self-locking design, for a permanent tag with added security. 8" black ties, (120 lb), are recommended for deer fence; other sizes to meet your needs. Black ties are UV-treated for longer life. Ship wt .5 lb. **100 ties per bag.**

Item	Size	Color	Tensile	Price	5+	10+
TYB-418	4"L x 3/32"W	Black	18 lb	**$3.12**	–	–
TY410	4"L x 3/32"W	Clear	18 lb	**$2.38**	**$2.30**	**$2.26**
TY514	5-3/4"L x 1/8"W	Clear	40 lb	**$4.21**	**$4.08**	**$3.99**
TY819	8"L x 1/8"W	Clear	40 lb	**$4.53**	**$4.39**	**$4.29**
TYB-5120	8-1/2"L x 1/4"W	Black	120 lb	**$20.33**	**$19.68**	**$19.27**

PROFESSIONAL GRAFTING SUPPLIES

RUBBER STRIPS FOR BUDDING AND GRAFTING

A rubber formulation developed over decades of Grower input. You can trust the quality of these bands to perform and aid in budding and grafting success. First developed in early 1960's by a nurseryman who's family continues in the manufacture of the strips today. A wide variety of sizes and thicknesses are provided for various applications. .010 and .016 ga typical for fruit stock, roses, and evergreens. .020 typical for citrus and pecans. Natural rubber bands are biodegradable and subject to the natural aging caused by ozone and UV. Variation of wrapping, thicknesses, along with environment determine deterioration rate, generally 3-4 weeks. For quicker breakdown, consider item RSQ838. (6) 2 lb packages per carton, priced per 2 lb package. For sizes not listed, please contact us with your needs. **Sold in 2 lb bags.**

Item	Length	Width	Gauge	Pcs/Lb (Approx.)	Per Bag	3+ Bags	6+ Bags
RS41910-2	4″	3/16″	.010	3,024	**$63.38**	**$61.80**	**$60.81**
RS42516-2	4"	1/4"	.016	1,564	**$35.44**	–	–
RS51910-2	5″	3/16″	.010	2,387	**$60.65**	**$58.95**	**$57.89**
RS51916-2	5″	3/16″	.016	1,564	**$35.44**	–	–
RS51920-2	5″	3/16"	.020	1,260	**$56.76**	**$54.94**	**$53.81**
RS52516-2	5″	1/4″	.016	1,260	**$60.09**	**$58.34**	**$57.25**
RS52520-2	5″	1/4″	.020	1,008	**$54.89**	**$53.19**	**$52.13**
RS61920-2	6″	3/16″	.020	1,055	**$56.76**	**$54.94**	**$53.81**
RS62520-2	6"	1/4"	.020	825	**$56.76**	**$54.94**	**$53.81**
RS82520-2	8"	1/4"	.020	589	**$56.76**	**$54.94**	**$53.81**
RS83820-2	8"	3/8"	.020	420	**$56.74**	**$54.92**	**$53.79**
RSQ838-2	8"	3/8"	.010	687	**$67.08**	**$65.20**	**$64.03**

GRAFTING WAX

Genuine Trowbridge's, the oldest and best-known on the market! Apply with brush, melting pot or just the warmth of your hands. Instructions for grafting and top working fruit trees on each package.

TROWBRIDGE'S
GRAFTING WAX

Item	Size	Price	3+	6+
WAX7	7 oz	**$9.73**	**$9.55**	**$9.44**
WAX135	13.5 oz	**$17.24**	**$16.88**	**$16.65**
WAX10	10 lb	**$102.02**	**$99.93**	**$98.63**

TRKQB

TREEKOTE
TREE WOUND DRESSING

TRKQ

TREEKOTE
TREE WOUND DRESSING

TREEKOTE COMPOUND

Used for grafting — specially processed black asphalt emulsion, in a convenient paste form. Seals cuts, protects wounds to promote healing. Use as a paste, or add water for brush application.

Item	Size	Ship wt	Price	6+	12+
TRKQ	Quart	3 lb	**$17.33**	**$16.98**	**$16.76**
TRKQB	Quart w/ brush	5 lb	**$15.98**	**$15.66**	**$15.45**
TRKG	1 Gallon	10 lb	**$40.70**	–	–
TRK5	5 Gallon	48 lb	**$168.03**	–	–

BUDDY TAPE

The best characteristics of rubber strips, nylon tape, wax and paraffin! Buds and grafts succeed at a high rate. The secret is its elasticity — a gentle stretch makes it self-adhesive. Seals the bud or graft tightly. Keeps the bud moist and secure while allowing air to permeate the wound. Permits a young, healthy bud to emerge through the tape. No need to remove by hand: biodegradable in sunlight. Works well in cold or hot weather. Recommended for deciduous fruit and nut trees, roses, grapevines, citrus fruit trees, coniferous evergreens, ornamental trees, deciduous shade trees, and bonsai trees. 857 perforated 25 mm tape strips per roll; each measures 1″ x 2-3/4″ (unstretched), to create up to 1,714 tieings. Fast & easy for both T and chip buddings! Ship wt .5 lb.

BT25	**$46.99**	**3+ $45.49**	**6+ $44.55**

POLY BUDDING TAPE

Tough outdoor grade vinyl stretches with plant growth. Excellent for pecans, walnuts, citrus, avocado, stone fruits and more. Available in clear or white. In two styles: Budding/Grafting .004 ga in 300′ rolls; or Chip Budding .002 ga, 800′ per roll. Ship wt 7.2 lb.

Item	Color	Ct.	Size	Style	Price	3+	6+
3404-24	White	24	1/2″	Budding/Grafting	**$55.59**	**$54.87**	**$54.42**
3405-24	Clear	24	1/2″	Budding/Grafting	**$76.49**	**$74.04**	**$72.51**
3406-24	Clear	24	1/2″	Chip Budding	**$101.09**	**$98.86**	**$97.47**
3423-12	White	12	1″	Budding/Grafting	**$60.52**	**$59.15**	**$58.29**
3424-12	Clear	12	1″	Budding/Grafting	**$66.61**	**$65.01**	**$64.01**
3426-12	Clear	12	1″	Chip Budding	**$102.20**	–	–

MAKE PERFECT GRAFTING CUTS EVERY TIME

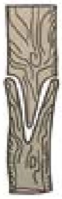
GRAFTING TOOL

Works efficiently to cut and prepare the scion to be grafted onto the rootstock. This pro grafting tool is for material up to 1/2" in diameter. It delivers uniform cuts for faster, more consistent grafts. Includes 4 blades for different techniques (Notch Grafting, English-Double Notch Grafting, Omega Cut and Bud grafting). Anvil and instructions are included to ensure proper knowledge and use. Ship wt .5 lb.

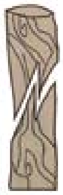
GT3 **$100.19** **3+ $96.98** **6+ $94.98**

https://youtu.be/w0Bexkzv6eM

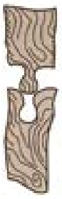
NOW INCLUDES NEW FOURTH BLADE FOR EVEN MORE GRAFTING OPTIONS!



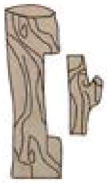
Notch Grafting



English-Double Notch Grafting



Omega Grafting



Bud Grafting

LEONARD DOUBLE BLADE BUDDING KNIFE

The double blade design makes two parallel cuts, saving time and adding consistency. The blades are produced from high carbon steel to keep a sharp edge. The handle is made of walnut and includes brass linings and a brass bark lifter. Blade length 2-1/2", blade spacing 1-1/16", wt. 5.2 oz.

A5136 **$83.55**

PROFESSIONAL TOP GRAFTING TOOL

Use in the field or bench mount. Designed for durability and flexibility with a wide range of graft sizes. Even beginners get professional results! Steel hardened "V" cut blade for clean cuts, ideal match. Ship wt 3 lb

FCTG **$560.84** **3+ $551.67** **6+ $545.94**

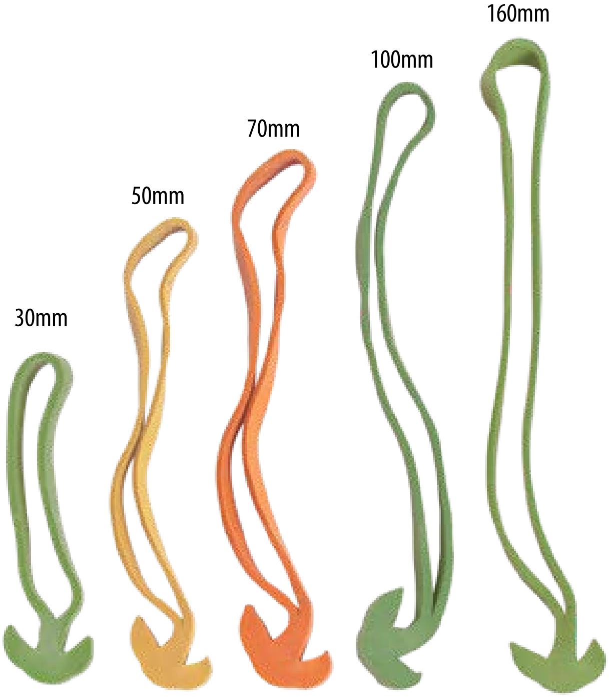
Replacement Blade, Ship wt 1 lb
XBTG **$129.42**

COMPLEMENTARY MANUAL GRAFTER

For top grafts. Capacity: up to 45mm. Notch & omega. This tool works in conjunction with our professional grafting tool (GT3) to create successful graft unions.

CMG1 **$34.79**

ALTERNATIVE PLANT TIE OPTIONS

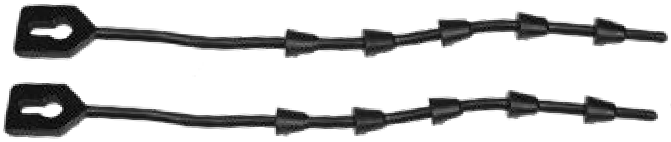


NEW

NATURAL RUBBER ANCHOR BANDS

A must have in any growing operation! Non UV rubber are a soft material that will provide support and while not damaging the plants. Excellent for bamboo teepees and vine support. Each band will last approximately one growing season before degrading, saving up to 20% labor cost. Sold in 2 pound bags.

Item	Description	Price	5+	10+
AB30	30mm x 3mm	**$19.73**	**$19.10**	**$18.70**
AB50	50mm x 3mm	**$19.73**	**$19.10**	**$18.70**
AB70	70mm x 3mm	**$19.73**	**$19.10**	**$18.70**
AB100	100mm x 5mm	**$18.78**	**$18.18**	**$17.80**
AB160	160mm x 100mm	**$18.78**	**$18.18**	**$17.80**



EASI-TIE®

Rubber ties are extremely strong, yet soft and elastic, to greatly reduce the possibility of tree and plant damage! Ties will stretch, but can also be quickly adjusted to a longer length for long-term support. UV stabilized for long life. In two sizes. Ship wt 2 lb.

Item	Length	Bag of	Price	5+	10+
ZT-06	6″	200	**$27.05**	**$26.32**	**$25.86**
ZT-12	12″	100	**$27.46**	**$26.69**	**$26.22**

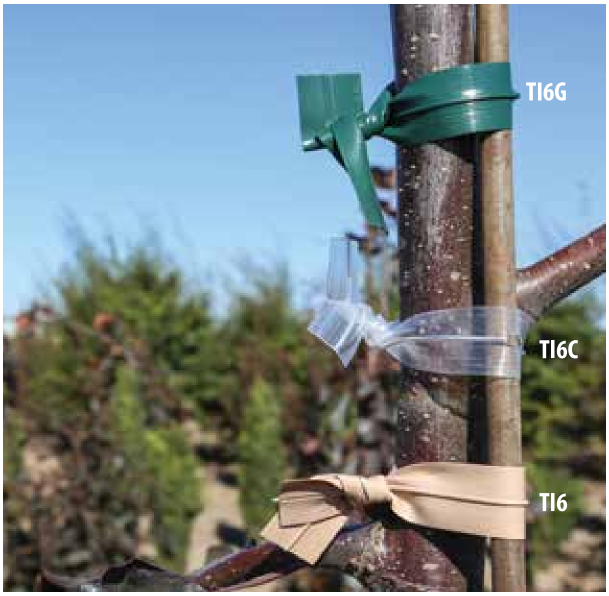
173BT
340BT

PLASTILLIEN BINDER TIES

A flat, smooth surface that won't cut plants, Surelock arrow design for a secure hold. Safe, reusable and economical – in a variety of sizes. Available in utility light-to-medium weight or heavy duty. Ideal for florist, vineyard and nursery use. Ship wt 3 lb.

Item	Size	Qty	Price	5+	10+
173BT	6.8″ - 173 mm, utility	1000	**$53.07**	**$52.44**	**$52.05**
235BT	9″ - 235 mm, utility	1000	**$77.47**	**$76.26**	**$75.51**
340BT	13″ - 340 mm, heavy duty	100	**$31.16**	**$30.52**	**$30.12**

2-YEAR UV PROTECTION!



STRETCH TIES

The expandable twist-tie developed by Nursery Professionals is much like a common bread tie, but is made from expandable plastic and has a non-continuous metal wire so they do not girdle plant material. Now available in clear or green.

Item	Size	Color	Count	Ship wt	Price
TI6-40	6" x 1/2"	Tan	40	.5 lb	**$5.57**
TI6-4000	6" x 1/2"	Tan	4000	8 lb	**$129.64**
TI6G-4000	6" x 1/2"	Green	4000	8 lb	**$133.43**
TI101	10" x 1"	Tan	2000	9 lb	**$149.94**

TIES FOR VINEYARDS & NURSERIES

VINE TIE 70MM

Use for grapevines and young fruit trees. Easy to apply and gentle on your vines, like all Klipon® products it features extra strong hook ends. Made from long life UV stabilized polypropylene. Specs: 70mm long. Suitable for 2.5mm wire. **Bags of 1000.**

VT70 $38.64 3+ $38.20 6+ $37.93

TRELLIS TIE 100MM

Ideal for training and holding fruit tree crops. Ideal for holding irrigation hoses to a wire. Made from long lasting UV stabilized polypropylene. Specs: 100mm long. Suitable for 2.5mm support wire. **Bags of 1000.**

TT100 $50.26 3+ $49.41 6+ $48.88

FRUIT TREE TIE 150MM

Ideal for training and holding fruit tree crops and similar robust cane varieties. Can also be used to clip large diameter irrigation pipe to wire. Made from extra strong UV stabilized nylon. Specs: 150mm long. Suitable for 2.5mm support wire. **Bags of 500.**

FTT150 $60.30

VINE CLIPS

An easy way to attach stems to any type of support! Squeeze to open and insert stem with the other hand. In two sizes. **Sold in quantities of 1000.**

PL01 1″ **$30.99**
PL34 3/4″ **$79.15**

IRRIGATION TIE

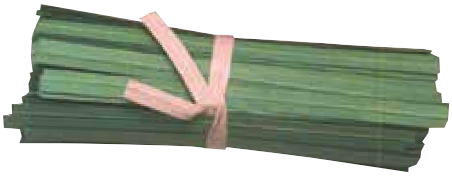
A simple way to install irrigation pipe. Made for flexibility and durability. Holds pipe away from the belt allowing for expansion and contraction, while retaining a firm hold. Both clip easily to 2.5mm support wires. **Bags of 1000.**

SIT84 1/2″ x 84mm **$57.16**
SIT114 3/4″ x 114mm **$63.78**

TREE TIE 200MM

Purpose built to take extra strain. Capable of holding trunks and branches up to 60mm in diameter. Perfect for supporting larger trees like apple, pear, peach, etc. Also holds grapevine "spray guards" in place against high winds. Made from extra strong UV stabilized nylon. 200mm long. Suitable for 2.5mm support wire. **Bags of 100.**

TT200 $28.96



TWIST-EM PLANT TIE, GREEN PAPER WITH WIRE CENTER

The original green paper plant tie, with a tough, flexible wire center. Easy and convenient to secure plants to trellising or for marking. Ideal for short term use as they slowly break down, reducing labor step of removing them. The flexibility also allows the ties to be loosened as plants grow and put less pressure on the plant. Choose from 4" and 6" lengths.

TT4-7GB 4" (Case of 2,000) Ship wt 15 lb.
$16.10 **5+ $15.58** **10+ $15.26**

TT6-7GB 6" (50 bundles of 500) Ship wt 21 lb.
$154.90 **5+ $149.94** **10+ $146.85**

ALL PURPOSE PLASTIC PLANT TIES

Strong, plastic covered wire plant ties ... in green, to blend in! Weather-proof, guaranteed fade-proof and more durable than paper ties. **Packed 2000 per bundle, 25 bundles per case** for 4″, 6″ and 8″ ties. Ten bundles for 12″ ties. Minimum order 1 bundle.

Item	Size	Ship wt	Bundle of 2000 ties	5+ Bundles	10+ Bundles
QT8	8″	2 lb	**$30.24**	**$29.27**	**$28.67**
QT12	12″	5 lb	**$50.42**	**$48.81**	**$47.80**

DURALINE MONOFILAMENT

DuraLine is a UV and weather-resistant line, and unlike PET and wire, will never lose tension. Features a solid core monofilament made from the highest quality Polyamides delivering decades of performance. Will not kink or lose tension like lower quality PET. UV Protected as well as being resistant to pesticides, fungicides and fertilizers. Ideal for berries and other vining plants.

Item	Size	Price	5+	10+
BDL-25-1000	3.0mm - 1000′	**$60.65**	**$59.78**	**$59.24**
BDL-4-1000	4mm - 1000′	**$151.64**	**$149.46**	**$148.10**
BDL-3-1000	3mm - 1000′	**$101.09**	**$99.47**	**$98.46**
BDL-3-4450	3mm - 4,500′	**$303.29**	–	–

GRIPPLE® PERPENDICULAR WIRE JOINER

A simplistic, easy to use, and completely adjustable design! The GP90 Perpendicular Wire Joiner by Gripple is suitable for a wide range of structural and supporting applications. Designed to meet the needs of fruit and crop growers by supporting crops and supporting crop covers such as hail net, shade cloth, bird netting, canopies and more. Ideal for outdoor, indoor, and greenhouse growing environments the GP90 helps directly support crops, improving their yield. This small component is easy to transport and is easily added onto an existing cable line or trellis. It allows a wire to be run and tensioned at 90° to the main cable or trellis.

GP90 $6.80 5+ $6.66 10+ $6.57

GRIPPLE® PLUS WIRE JOINERS

Suitable for a wide range of growing and landscaping applications! As a market leader in the joining and tensioning of wire, Gripple is renowned for providing innovative and cost-effective solutions for trellising, bracing, and fencing applications. Featuring an aircraft grade zinc body these joiners utilize centered ceramic rollers for optimum corrosion resistance. This simple push fit design maintains the inherent strength of the wire used. The ceramic rollers bite directly into the steel wire, creating a secure lock that can be released, adjusted, and re-tensioned at any time. Gripple joiners replace a standard turnbuckle and other traditional tensioning methods. Simply use a Gripple Torq Tensioning tool to install and re-apply tension at any time. While a Gripple key tool can be used to release tension for adjustment. Small, Medium, and Large Gripple Joiners cover a wide range of wire sizes.

Item	Qty	Wire Size	Max Load	Price	5+	10+
GPS20	20	17 to 14 swg	600 lb	**$30.66**	**$30.15**	**$29.83**
GPM20	20	14 to 10 swg	880 lb	**$37.75**	**$36.87**	**$36.32**
GPL20	20	10 to 7.5 swg	1,320 lb	**$44.87**	**$44.22**	**$43.81**

APPLY TENSION EASILY AND ACCURATELY!

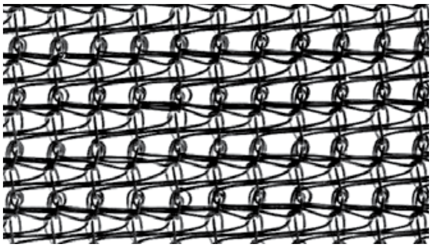
GRIPPLE® TORQ TENSIONING TOOL

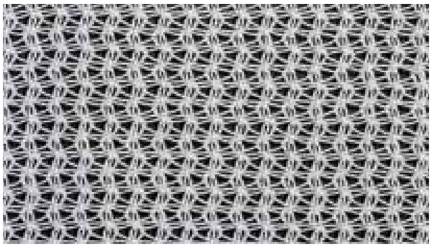
Use the #54BX Torq Tool to deliver up to 880 lb of load easily and accurately featuring a gear ratio for more torque. The Torq Tensioning Tool is lightweight, compact, strong, robust and built to withstand years of wear and tear. Each Tensioning Tool is designed to pull 1/16″ to 1/4″ cable through Gripple products/components. Both Torq and Contractor Tools work with all Gripple products/ components offered by A.M. Leonard.

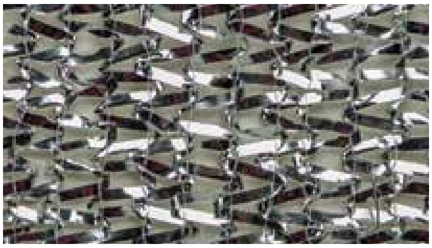
Torq Tensioning Tool 6:1 gear ratio. Ship wt 2.6 lb.
54BX $69.87 10+ $68.30 20+ $67.33

Contractor Tensioning Tool 10:1 gear ratio. Ship wt 5.5 lb.
74BX $145.91 10+ $142.86 20+ $140.95

MASTER ROLLS OF KNITTED SHADE FABRIC







THIS PREMIUM SHADE FABRIC WILL NOT UNRAVEL WHEN CUT!

KNITTED SHADE FABRIC ROLLS IN BLACK, WHITE, OR ALUMINUM

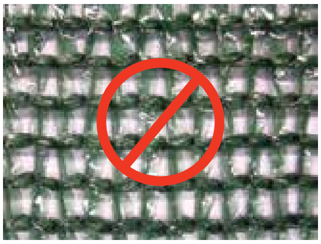
This premium monofilament knitted shade fabric features a high-density polyethylene (HDPE) construction. These rolls contain 300' of cloth, allowing you to cut the exact length you need for your needs. Choose your desired width and shade percentage below. Our knitted shade fabric is an economical alternative to woven fabric. This specially-engineered cloth resists tears, mold, and mildew. Its finished outer edges require no tape or grommets. You can install it anywhere using either poly clips or Wiggle Wire. Premium monofilament knitted shade fabric is far superior to lesser grade tape material. This exceptional fabric will not unravel when cut. It offers a life expectancy of 10 to 15 years, and the manufacturer backs it with a 5-year warranty! Choose from Standard Black or test out White or Aluminum Shade Fabric. While black fabrics absorb heat, White & Aluminum reflect light which could end up leading to greater PAR transmission and a cooler environment while accomplishing the desired shading effect.

Shade	Item	Size	Color	Per Roll	4+ Rolls	8+ Rolls
30%	KSB630030	6'x300'	Black	$258.97	$253.04	$249.34
	KSB1030030	10'x300'	Black	$415.04	$406.33	$400.89
	KSB1230030	12'x300'	Black	$681.50	$659.69	$646.06
	KSB2030030	20'x300'	Black	$905.88	$882.52	$867.92
40%	KSB630040	6'x300'	Black	$347.49	$337.75	$331.67
	KSB1030040	10'x300'	Black	$552.02	$537.78	$528.87
	KSB1230040	12'x300'	Black	$665.21	$648.01	$637.25
	KSB2030040	20'x300'	Black	$1,104.02	$1,075.53	$1,057.73
50%	KSB630050	6'x300'	Black	$420.61	$409.77	$402.99
	KSB1030050	10'x300'	Black	$695.57	$677.63	$666.42
	KSB1230050	12'x300'	Black	$839.15	$817.51	$803.99
	KSW1230050	12'x300'	White	$861.65	$844.54	$833.84
	KSB2030050	20'x300'	Black	$1,399.27	$1,363.19	$1,340.65
	KSW2030050	20'x300'	White	$1,462.24	$1,429.03	$1,408.27
55%	KSA1230055	12'x300'	Aluminum	$884.52	$861.17	$846.58
60%	KSB630060	6'x300'	Black	$454.90	$443.12	$435.75
	KSB1030060	10'x300'	Black	$758.25	$738.68	$726.45
	KSB1230060	12'x300'	Black	$945.59	$920.63	$905.03
	KSB2030060	20'x300'	Black	$1,584.46	$1,539.66	$1,511.67
70%	KSB630070	6'x300'	Black	$570.23	$555.54	$546.37
	KSB1030070	10'x300'	Black	$952.34	$927.75	$912.37
	KSB1230070	12'x300'	Black	$1,138.44	$1,109.12	$1,090.79
	KSW1230070	12'x300'	White	$1,160.11	$1,135.83	$1,120.65
	KSB2030070	20'x300'	Black	$1,902.76	$1,853.72	$1,823.08
	KSW2030070	20'x300'	White	$1,949.77	$1,907.92	$1,881.77

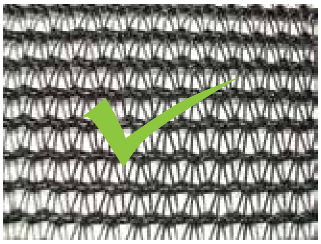
CUT TO LENGTH KNITTED SHADE FABRIC

OUR DESIGN MAKES ALL THE DIFFERENCE!

THEIRS: Inferior Fabrics that Use Flat Ribbon Strands



OURS: Strong Monofilament Strand Longer Life and Tough



		Priced Per Linear Foot		
Item	**Shade %**	**Price**	**4+**	**8+**
Choose from 6', 10', 12', 20' widths. Length is Custom to You				
KS-B-30+Width+Length	30%	$2.80	$2.73	$2.68
KS-B-40+Width+Length	40%	$2.01	$1.95	$1.91
KS-B-50+Width+Length	50%	$3.39	$3.30	$3.25
KS-B-60+Width+Length	60%	$5.25	$5.08	$4.98
KS-B-70+Width+Length	70%	$3.11	–	–

AVAILABLE IN 5 SHADE PERCENTAGES

A.M. Leonard's knitted monofilament strand fabric outperforms ribbon type fabrics with longer field life and greater resistance to the weather.

- Monofilament knitted construction is the most durable available, making it the best choice for strength and longevity.
- Resistant to tears, mold, and mildew.
- Knitted high density polyethylene material won't unravel and can be cut to length during installation if needed. Finished edges on both outer sides.
- UV treated for long life.
- **For easy installation use with P801 poly clips.**

Specify shade percentage, width, and length when ordering. NOTE: Quantity pricing is based on ordering one shade percentage and width. Larger sizes may require motor freight shipping.

***CUSTOM ROLLS AVAILABLE. CALL FOR PRICING.**

TENAX

HORTONOVA TRELLIS NETTING

Strong, versatile polypropylene mesh specially designed for efficient and economical cultivation of vegetables, fruits and flowers! Horizontal use keeps tomatoes, flowers and other non-climbing plants growing straight while maintaining optimal separation between the plants. Using Hortonova as a trellis allows climbing plants like beans, cucumbers and others to have greater exposure to sun and air while keeping them off the ground, which helps reduce rot and disease. Due to its durability and practical natures, Hortonova is now being used by many agriculturalists, floriculturists and indoor/outdoor growers. It is available in a variety of widths and mesh sizes and is easy to handle and install. Hortonova fully satisfies the requirements of a variety of growing techniques, both vertical and horizontal. The variety of sizes makes it ideal for either home gardeners or commercial growers.

Item	Width	Length	Price	3+	6+
HTN450	4′	50′	**$24.53**	**$23.75**	**$23.25**
HTN4100	4′	100′	**$34.07**	**$32.98**	**$32.30**
HTN4328	4′	328′	**$46.96**	**$46.03**	**$45.45**
HTN43280	4′	3,280′	**$411.71**	**$400.26**	**$393.10**
TN5328	5′	328′	**$73.92**	**$72.22**	**$71.16**
TN615	6-1/2′	15′	**$14.12**	**$13.67**	**$13.39**
TN630	6-1/2′	30′	**$24.56**	**$23.77**	**$23.28**
TN650	6-1/2′	50′	**$29.41**	**$28.47**	**$27.88**
TN6100	6-1/2′	100′	**$48.55**	**$47.00**	**$46.03**
HTN63280	6-1/2″	3,280′	**$533.42**	**$523.53**	**$517.35**

TAPERED TOMATO PLANT SUPPORTS, 42-INCH HEIGHT, PACK OF 5

Top quality wire supports! Built-to-last of heavy gauge wire. Compare the quality - more rings, more legs, heavier wire, more protection! Order early to ensure availability! Minimum order - 1 carton. Tapered supports: Ideal for tomatoes or vines. Complete balance, support. Reusable, tapered design for growth spread of bushy plants. 4 rings, 4 legs, 42" overall height. 11" top dia. Priced per carton of 5.

4442S
$27.10
4+ $26.23
8+ $25.69

THE PERFECT CHOICE FOR TRELLISING HOPS PLANTS!

COIR HOPS TWINE 100 LB

Coir Twine is the perfect choice for trellising hops plants - it is a lightweight material, yet is strong enough to support a fully grown hops plant (and is rated to support over 100 lbs). Coir Hops Twine is also a sustainable product as it is made from waste byproducts from the coconut industry. Our Coir Hops Twine comes in precut lengths of 20′6″. **Sold in bundles of 100 strings.** Ship wt 13 lb.

HT100 $31.58 5+ $30.57 10+ $29.94

WEED CONTROL TOOLS

Weed Dragon®
PROPANE TORCH KIT

WEED DRAGON® AND RED DRAGON® TORCH KITS

Torch kits provide a natural, non-chemical method of removing unwanted snow and ice. Can also be used to remove weeds in the lawn, garden, driveway, fields, fence lines, and irrigation ditches. Torches are available as Torch Kit, Torch and Cart Kit, and Backpack Kit. **Backpack option includes a 10 lb cylinder, others require use of a locally purchased propane cylinder, the common gas grill type (not included).**

T230

RED DRAGON® 400,000 BTU TORCH

This 2-1/2" bell, 400,000 BTU torch produces approx. an 18" flame with the hottest temperature around 12" from nozzle. This size is better suited for large coverage areas such as driveways, fence rows and ditches. **Made in the USA.**

Item	Description	Ship wt	Price	3+	6+
T230	Torch Kit	5 lb	**$199.77**	–	–
CT230	Torch & Cart Combo	19.5 lb	**$282.54**	**$279.15**	**$277.03**
BP230	Backpack Torch Kit	27.5 lb	**$449.30**	**$443.91**	**$440.54**

BP223

WEED DRAGON®
100,000 BTU TORCH

This 2" bell, 100,000 BTU torch produces a roughly 12" long flame with hottest temperature around 6" from nozzle. This size provides a more narrow, targeted flame than larger model. Beneficial for certain applications around tighter areas where a more targeted flame is best. **Made in the USA.**

Item	Description	Ship wt	Price	3+	6+
T223	Torch Kit	5 lb	**$172.69**	**$170.62**	**$169.33**
CT223	Torch & Cart Combo	19.5 lb	**$268.69**	**$265.46**	**$263.44**
BP223	Backpack Torch Kit	25.5 lb	**$439.94**	**$434.55**	**$431.18**

jacto
pjb-16

BATTERY POWERED

JACTO™ 4 GALLON BATTERY BACKPACK SPRAYER

The PJB20-16 is the world's most advanced battery powered backpack sprayer. With almost four years of development by Jacto™, the ergonomically designed and lightweight PJB20-16 is a marvel of engineering. The 4-gallon PJB20-16 is the right sprayer for the end user who needs accuracy and efficiency for the on target delivery of their spray solution. With such features as, hydraulic agitation, multiple pressure settings, a walking pace (speed) indicator and built in self-diagnostics, This is the right sprayer for everyone, from the Market Farmer, Commercial Greenhouse Grower to busy Landscape Professional. The PJB20-16 is equipped with an easy to change rechargeable lithium-ion battery. Depending on flow rates and pressures, typical battery run times per charge average about 8 hours and go as high as 12+ hours. Ship wt 12 lb.

PJB20-16 **$395.82** **3+ $389.36**
6+ $385.32

FIBREDUST LAYFLAT 100% COIR SLAB GROW BAGS

This all-natural product promotes extreme root growth! FibreDust Layflat Coir Slab Grow Bags contain a compressed coconut coir slab. Each bag measures 1 meter (approximately 3 feet) in length. This OMRI-listed product has a natural pH of 5.5 to 6.5 with electrical conductivity (EC) levels below 0.8. These coco coir-based bags are great for any type of hydroponic cultivation operation or commercial greenhouse. Coir pith provides moisture and root contact while coir chips foster drainage and circulation through the root zone. Growers use them for peppers, tomatoes, cucumbers, strawberries, and more. You can install these lay flat bags nearly anywhere. They work well on the ground, suspended in gutters or troughs, or on elevated tabletops. Placing these bags on a proper slope is critical during installation. Orienting the bags at a 1.5% slope allows for proper irrigation and runoff collection. You can create the slop using earth grade, floor grade, or suspension levels. Once hydrated, the coconut coir fills the bag. Once filled, the bag is ready for planting. Action grow bags deliver results in greenhouses where the grower needs a more aggressive irrigation or fertigation schedule. Use this all-natural product to foster extreme root growth and maximize plant health!

Item	Blend	Price	5+	10+
GB-TRUE	True	**$3.07**	**$3.02**	**$2.99**
GB-BERRY	Berry	**$3.07**	**$3.02**	**$2.99**
GB-ACTION	Action	**$4.00**	**$3.89**	**$3.82**
GB-100	100% COIR	**$4.00**	**$3.89**	**$3.82**

IRRITEC P1 LIGHT 8-MIL DRIPLINE, 1,000 FEET

Useful season after season! Irritec P1 Light Dripline features a flat dripper for more uniform watering. This line measures 1,000 feet in length and has an inner diameter of 5/8 inch. An internal flap system allows for use in sub-irrigation. This line offers an output of 11.60 psi or 1/4 gallon per hour at 12 inches.

This Irritec line is ideal for spacings of 20 centimeters or more. The flat dripper guarantees reduced localized load loss. This line offers uniform watering throughout the entire line, allowing for longer branches. When buried in the soil, a protected flow system prevents problems caused by the aspiration of mud and detritus. This protection also reduces the risk of root intrusion.

98601	**$79.73**	**3+ $78.28**	**6+ $77.37**

MULCH FILMS, ORCHARD FILMS AND SILAGE TARPS

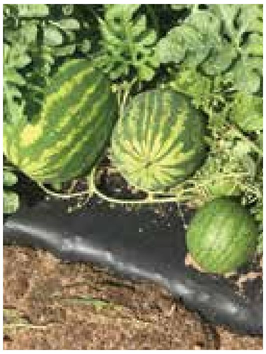
MADE TO LAST MULTIPLE SEASONS. AVAILABLE IN BLACK OR BLACK/WHITE

Stronger than standard cover films AND a better value!
Save money with these films that offer the strength and durability of standard films TWICE the thickness! Cover Plus+ Film is built to last for multiple seasons and comes in either black, or black/white.

BLACK / WHITE FILMS

These three-layered films are silver or white on the top side and black on bottom. The white color reflects radiation to prevent the overheating of seedlings, plants and fruit, enhances photosynthesis and repels pests; and the black color prevents the penetration of light and reduces the germination of weeds. These films are recommended for vegetables, flowers and orchards with single row layouts or for entire width of greenhouse gables. They are also available with wider widths for wider greenhouse coverage.

Item	Type	Dimensions	Thickness	Price	5+	10+
WB481	Black / White	48″ x 4000′	1 mil	**$180.65**	–	–
WB48125	Black / White	48″ x 3000″	1.25 mil	**$147.87**	–	–
WB601	Black / White	60″ x 4000′	1 mil	**$214.67**	**$207.80**	**$203.51**
WB60125	Black / White	60″ x 3000′	1.25 mil	**$211.69**	**$204.92**	**$200.68**



BLACK FILMS

Black films absorb and block radiation to suppress weed germination. As they absorb radiation, they warm up and heat the soil, and help speed up growth during the early weeks of growth in cooler climates.

Item	Type	Dimensions	Thickness	Price	5+	10+
BM481	Black	48″ x 4000′	1 mil	**$144.99**	**$143.26**	**$142.18**
BM48125	Black	48″ x 3000′	1.25 mil	**$137.80**	**$134.18**	**$131.92**

BLACK SILAGE TARPS - Our Black/White Plus Film is a real game-changer and a great value! Save money by using at 3 or 4 mil Plus Film that has a strength and durability of standard films TWICE that thickness! That means you get 6-8 mil strength, with a product that is half the weight – which means you save big on shipping and get a stronger product.

Plus Film is built to last for multiple seasons, and can be used for the lots of applications:

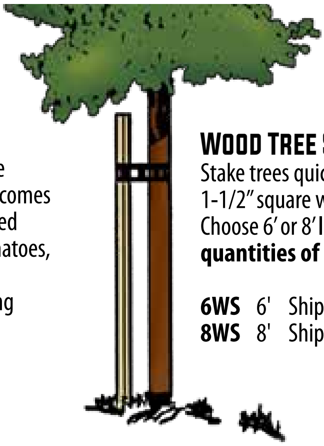
- Silage Tarp for clearing weeds from large areas prior to planting
- Anaerobic Soil Disinfestation
- Weed Barrier and many more!

Item	Type	Width	Thickness	Price	6+	12+
MR3203B	Cover Plus+ Black	32′	3 mil	**$2.17**	**$2.10**	**$2.05**
MR2804B	Cover Plus+ Black	28′	4 mil	**$2.45**	–	–
MR3204B	Cover Plus+ Black	32′	4 mil	**$2.81**	**$2.72**	**$2.66**
MR4004B	Cover Plus+ Black	40′	4 mil	**$3.50**	–	–
MR4804B	Cover Plus+ Black	48	4 mil	**$4.21**	–	–

TOMATO TWINE W/BELT LOOP 6,300′

Our box of tomato twine has 6,300′ of white polypropylene twine. It weighs just 3 lb, and comes with a built-in belt loop for added convenience! Great for trellising tomatoes, cucumbers, melons, and other vining crops in the greenhouse. Can also be used for hand-tying in the field or for the Florida Weave method of trellising tomatoes or peppers.

TTBOX	**$25.54**	**5+ $24.72**	**10+ $24.21**



WOOD TREE STAKES

Stake trees quickly, economically with these wooden tree stakes. 1-1/2″ square wood, chiseled on one end for easy penetration. Choose 6′ or 8′ lengths. **Packed 10 per bundle. 8′ length, and quantities of 3 or more bundles ship via motor freight.**

6WS	6'	Ship wt 56 lb	**$89.33**	**4+ $86.47**	**8+ $84.68**
8WS	8'	Ship wt 90 lb	**$85.03**	**4+ $82.87**	**8+ $81.53**

BIODEGRADABLE MULCH FILMS

REDUCE LABOR COSTS, WEEDS, AND SUPPORT HEALTHY GROWTH

THIS MULCH IS 100% BIODEGRADABLE!

ORGANIC BIODEGRADABLE PAPER MULCH

This mulch is 100% biodegradable! The mulch cover features a biodegradable paper construction. This standard weight paper is about as thin as a credit card. Biodegradable Paper Mulch is OMRI-listed for use in organic operations. Priced per roll; choose your desired roll size below. Use Biodegradable Paper Mulch to suppress weeds and support lush plant growth. It conforms to uneven fields, gardens, and other terrain and is an excellent alternative to traditional plastic films. This mulch is also great for long-season or overwinter crops like garlic and is durable enough for landscaping and habitat restoration. Biodegradable Paper Mulch is easy to apply by hand or with a tractor. The rolls have enough flex for you to use it with mulch-laying machines. Use two layers for year-long control for newly established plants. At the end of your growing season, this mulch decomposes naturally. This decomposition process eliminates the time and labor costs related to retrieval and disposal. As an added benefit, decomposition adds beneficial carbon to the soil that your plants need. This product is 100 percent **made in the USA!**

Item	Dimensions	Ship	Price	5+	10+
WG36250F	36″ x 250′	22 lb	**$111.02**	**$107.47**	**$105.25**
WG36500F	36″ x 500′	42 lb	**$191.88**	**$186.00**	**$182.32**
WG48100F	48″ x 100′	11 lb	**$54.79**	**$53.89**	**$53.33**
WG48250F	48″ x 250′	24 lb	**$128.31**	**$124.85**	**$122.69**
WG48500F	48″ x 500′	44 lb	**$219.33**	**$214.56**	**$211.58**

OMRI LISTED

AMAZINGLY STABLE ORCHARD LADDERS

SUPER DUTY ORCHARD LADDER

Our "SUPER DUTY" tripod orchard ladder is built for everyday commercial use in the toughest of environments. Available in sizes 8', 10' and 12' lengths; custom sizes available by request. Ladder rails are a full 3" wide with added reinforcement beads for added strength and rounded edges for worker comfort. Lower longer steps are even tougher with even more wear ridges plus the addition of a reinforced rib for maximum strength at the weakest point. Extra strong pole tube has a 1.765" O.D. Manufactured in Strathmore, CA. USA. Wide base and flared design promote safe use and stability by forcing the climber to the center of the ladder as they go higher. Special purpose ladder, 300 lb max load. Whenever you need a self-supporting (free standing) platform in an orchard use environment. Most commonly used on delicate tree fruits and citrus. MOTOR FREIGHT DELIVERY.

Item	Height	Ship wt	Price	3+	6+
SAP8	8'	20 lb	**$526.50**	**$509.65**	**$499.12**
SAP10	10'	29 lb	**$415.97**	**$406.93**	**$401.28**
SAP12	12'	33 lb	**$502.17**	**$491.43**	**$484.72**

TELESTEPS PROFESSIONAL WIDE STEP TELESCOPING A-FRAME LADDERS

Telesteps revolutionary Professional Combination Telescoping Ladders can be used as an extension ladder, A-frame ladder, and step ladder. Get multiple uses with multiple heights in just one ladder! A true multi-function telescoping ladder, made from an Aircraft Grade Aluminum alloy. The top two rungs of these Combination Ladders extent beyond the top of the A-frame for extra support at the top. These top two rungs provide extra height when used solely as an extention ladder. The A-Frame option provides a wide base for free standing use as a step ladder. And the offset feature allows it to be used on stairs or uneven surfaces.

This telescoping combination ladder features fully automatic extension, steps lock from the bottom up. A safety indicator on each step to show when it is locked and ready to climb. The patented one touch release mechanism offers automatic retraction for fast and easy storage. Ladders feature a wide stabilizer bar at the base. Available in 8' (12' reach) and 10' (14' reach), Telesteps Combination Ladders are ANSI 14.2 tested, OSHA compliant. Made from high quality Aluminum alloy, weighing as light as 24.3 lb. Each of these ladders are Type IAA Rated for up to 375 lb! 1 year warranty against manufacturing defects.

12ES	8'	Ship wt 24.3 lb	**$387.54**
14ES	10'	Ship wt 38.13 lb	**$514.47**

THREE LEGS FOR REAL STABILITY; NO MORE WOBBLING AROUND!

ALUMINUM FRUIT-PICKING LADDER

Designed and proven for years of trouble-free service. Built from lightweight tempered aluminum. Each step is braced for maximum safety. Recommended for turf or ground surfaces only; do not use on hard surface. Available in three lengths. MOTOR FREIGHT DELIVERY.

8' tall Ship wt 18 lb
AP8 $446.76 3+ $432.46
6+ $423.53

10' tall Ship wt 24 lb
AP10 $343.75 3+ $335.84
6+ $330.90

12' tall Ship wt 29 lb
AP12 $567.11 3+ $548.96
6+ $537.62

TELESTEPS 6' A-FRAME/12' EXTENSION TELESCOPING COMBI LADDER

Telesteps A-frame and Extension Combination Ladder is a 6' stepladder that can articulate to a 12' extension ladder. Made of an Aircraft Grade Aluminum alloy, this multi-purpose ladder offers up to 16' of reach! Featuring a fully automatic extension, the steps lock from the bottom up. A safety indicator on each step to show when it is locked and ready to climb. The patented one touch release mechanism offers automatic retraction for fast and easy storage. Extremely easy to carry and store this ladder supports up to 250 lb. ANSI 14.2 Tested, OSHA Compliant these convenient ladders have become an essential for Professionals, Contractors, and DIY'ers alike. 1 year warranty against manufacturing defects. Ship wt 30 lb.

612TC $404.22

HARVESTING HELPERS IN THE FIELD

HUSKEE® 10-GALLON COMMERCIAL-GRADE CONTAINER

This versatile containers sets the industry standard! This 10-Gallon Huskee® Commercial-Grade Container features a durable, high-impact plastic construction. Its molded design results in a seamless product. Huskee® reinforces the base, rim, and handles of each container. Huskee® Commercial-Grade Containers are incredibly versatile, and you can use them nearly anywhere. They work well as a standard trash can or to transport materials. They are perfect for storing materials like mulch, straw, compost, and more. These containers are even safe for food preparation. Huskee® sets the standard in the industry with this container. It is extremely tough, resisting both crushing and cold-impact damage. From restaurants to foundries and refuse to bio-hazard waste, this Huskee® container keeps on working! Huskee® proudly manufactures these containers in the USA and backs them with a 1-year warranty!

1001H $28.90 5+ $28.17 10+ $27.71

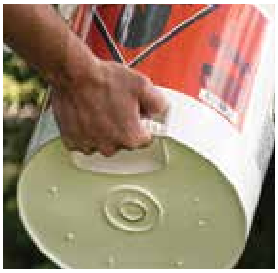
LEONARD HARVESTING SHEAR WITH FINGER STRAP

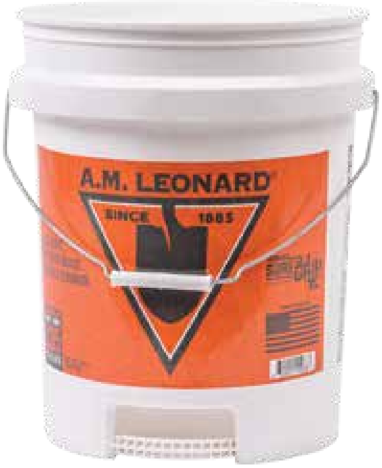
The Leonard Harvesting Shear has two curved blades. These 1-inch long blades feature a high-quality stainless-steel construction. We also outfit this tool with an elastic finger strap and molded grips in our signature orange color. The Leonard Harvesting Shear is ideal for harvesting fruit and nuts. The elastic finger strap holds the shear close to your hand, reducing potential damage to your valuable trees. We strive to provide you with tools of the highest quality, and our Harvesting Shear is no exception. The durable stainless-steel construction ensures a long service life. We cover this tool with a **lifetime warranty!**

512HV $14.80 3+ $14.42 6+ $14.19

LEONARD SUREGRIP 5 GALLON BUCKET

Ultra handy built-in SureGrip bottom handle is great for pouring and control.





LEONARD SUREGRIP 5 GALLON PAIL

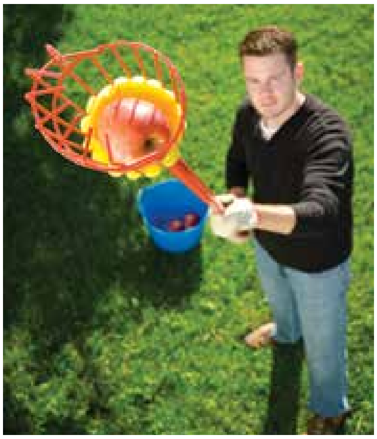
Leonard's SureGrip 5 Gallon Pail has a SureGrip handle built into the bottom of the pail! This game-changing convenience feature greatly improves handling, efficiency, and safety. The innovative built in handle come with no trade-off's and will stack like a traditional bucket. The one-piece molded design is constructed from 90mil HDPE. This commercial grade bucket is UN/DOT Class 2 Certified. Ship wt 2.3 lb. **Made in the USA!**

AM5GP $11.96 3+ $11.63 6+ $11.42

NEW FELCO 322 TRIMMING AND HARVESTING SHEARS 1-5/8" CUTTING EDGE

Compact, lightweight and ergonomic, FELCO 322 picking and trimming snips are equiped with chromium blades. Steel handles utilize a flexible pin spring and soft polyurethane shock absorbers ensure maximum comfort and reduce muscle tension. These Japanese picking and trimming snips have been designed for professionals in nurseries viticulture, arboriculture and greenhouse growing. A 1-5/8" cutting edge provide standard shear cut capacity of 1/2" diameter. 7-1/2" overall length, weight 3.9 oz.

322FEL $19.95



FRUIT HARVESTER

Sturdy metal picking basket with poly coated prongs and foam disc to prevent fruit damage. With 12' telescoping aluminum pole. Ship wt 3 lb.

245FH $92.34 3+ $89.39 6+ $87.54

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A.M. LEONARD
Horticultural Tool & Supply Co
241 Fox Drive · Piqua, Ohio 45356

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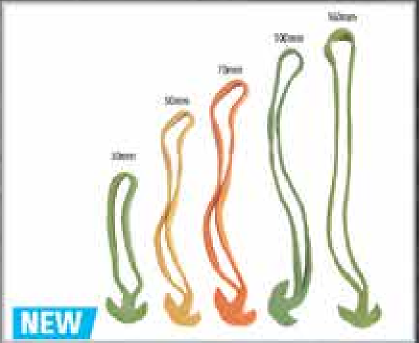
BETTER. BOLDER.

Now your purchases count towards Pro+ benefits! | Pg 3

SCEPTER® FUEL CANS
Make Fueling Equipment a cleaner, safer, better experience! Easy-to-use fuel cans with safety lock, flame mitigation and more. Available for gas, kerosene and diesel.
PAGE 175

FELCO 322 TRIM/HARVESTING SHEARS
Equipped with chromium blades & steel handles. These Japanese picking and trim snips have been designed for professionals in nurseries viticulture, arboriculture and greenhouse growing. | **PAGE 12**

LEONARD 70 LB SPREADER
Stainless steel frame, big 13" tires, and a heavy duty gear box. All these features produce a spreader that's more than equipped to take on professional demands.
PAGE 270



NATURAL RUBBER ANCHOR BANDS
A must-have in any growing operation! Non UV rubber, soft material that will provide support while not damaging the plants. Excellent for bamboo teepees and vine support. Sold in 2 pound bags. | **PAGE 369**

DRAMM COLORSTORM PROFESSIONAL RUBBER HOSE
Durable, flexible and visible! Reinforced hexagonal shape reduces kinking. Available in 5/8" and 3/4" diameters, in 50' and 100' lengths. | **PAGE 329**

TREE STRAPS - Simple tree support solution for securing newly planted trees during crucial root establishment stages. Breathable and reusable woven polypropylene construction. Available in the popular 1-1/2" width. | **PAGE 131**

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